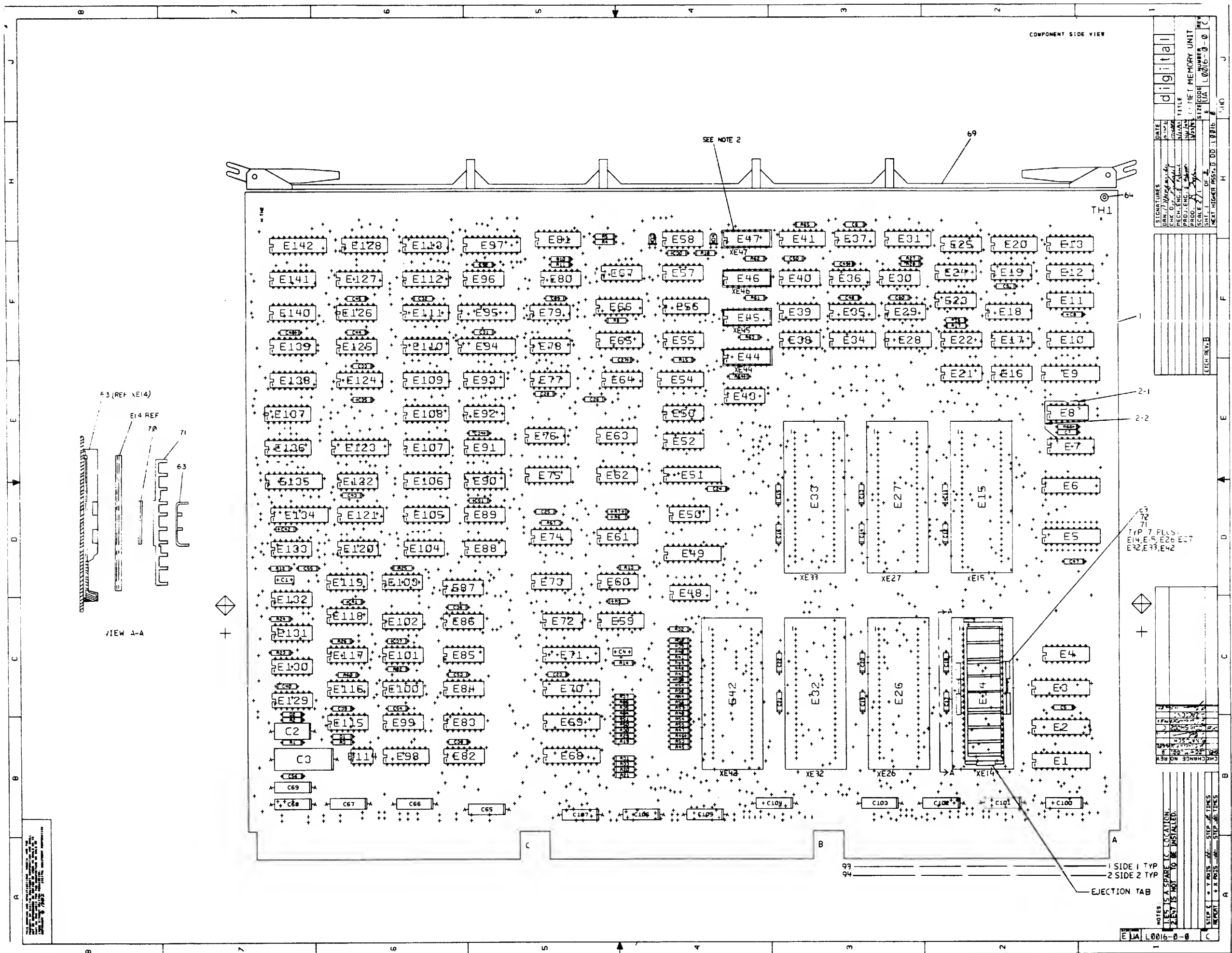
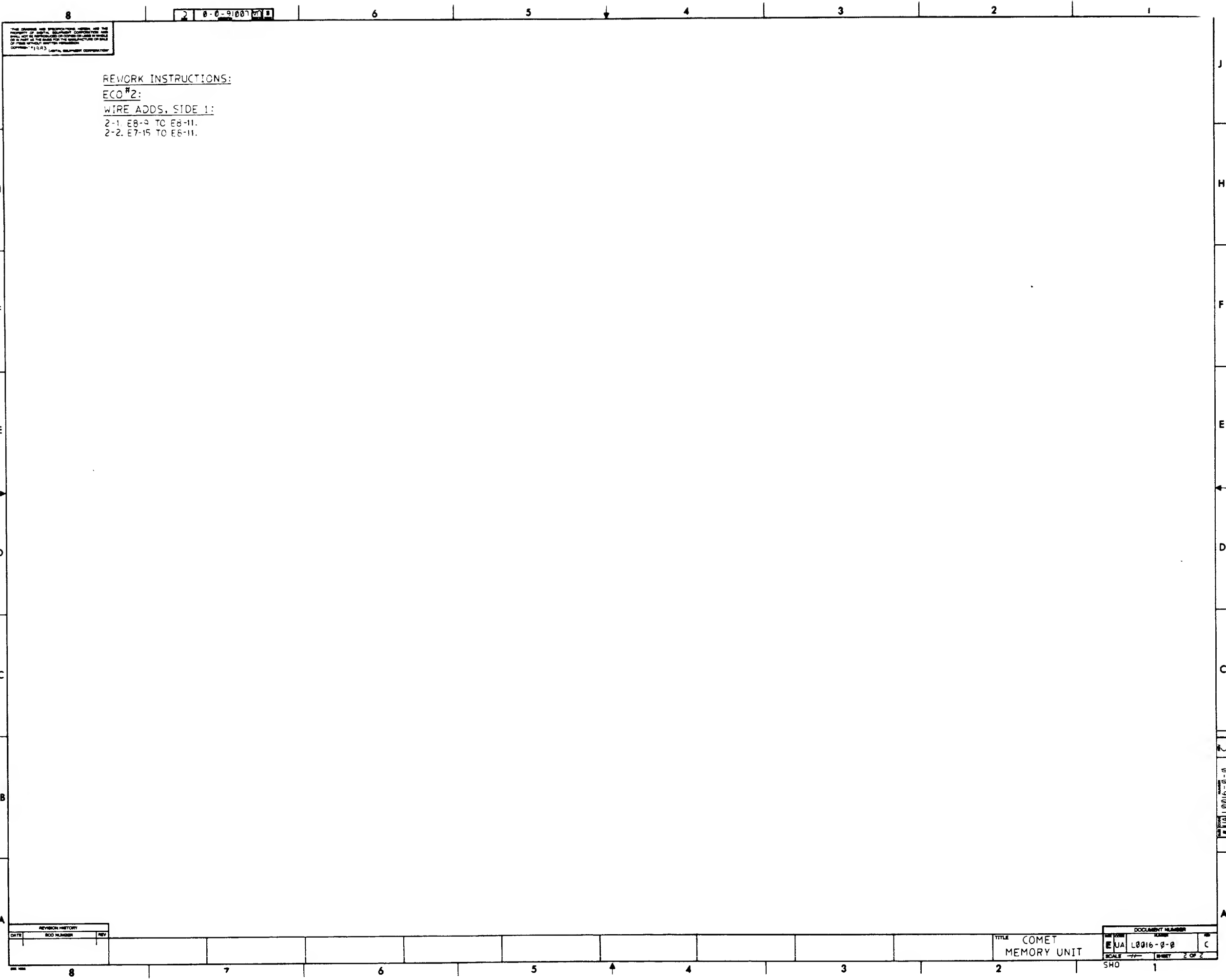


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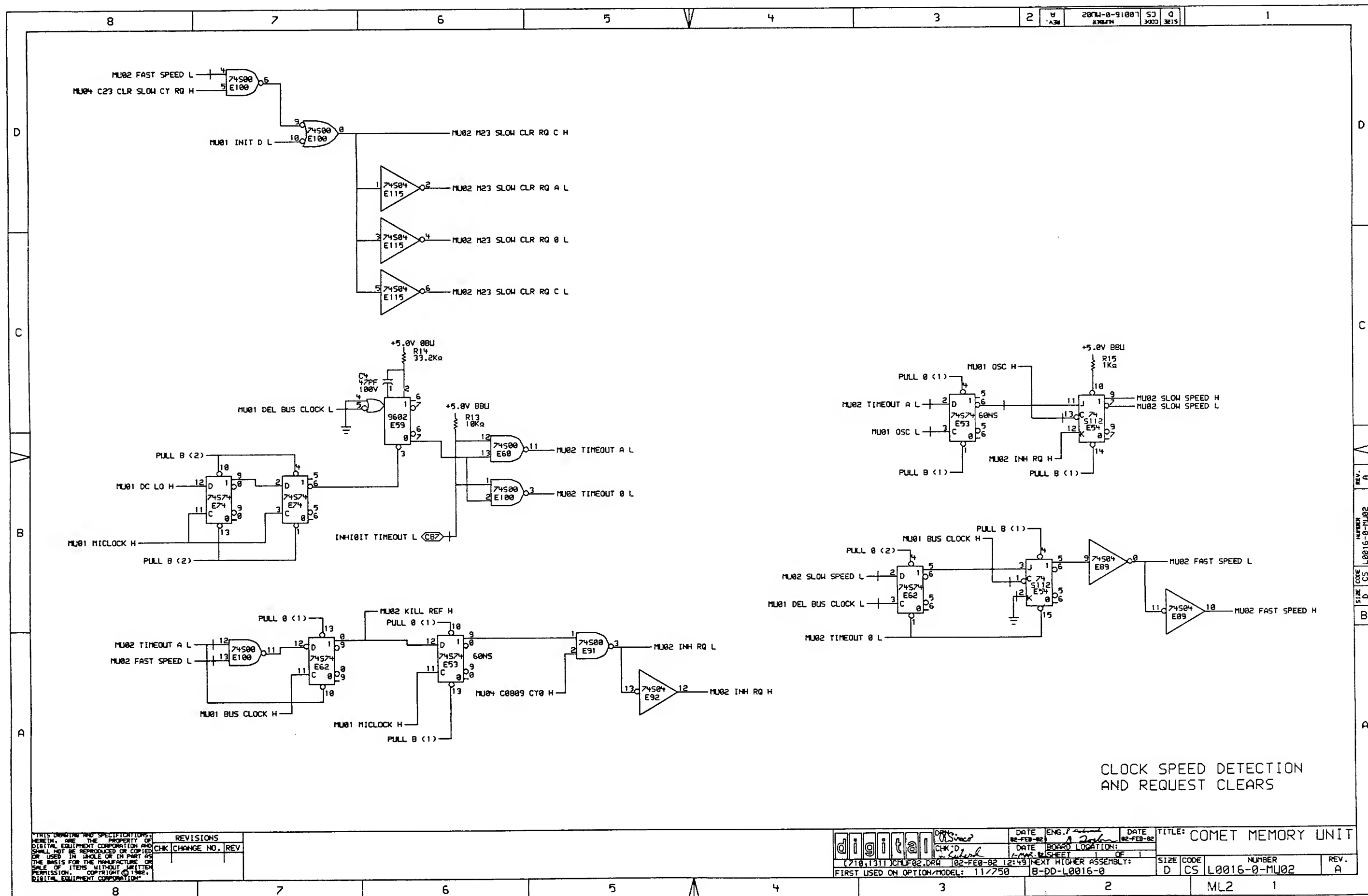
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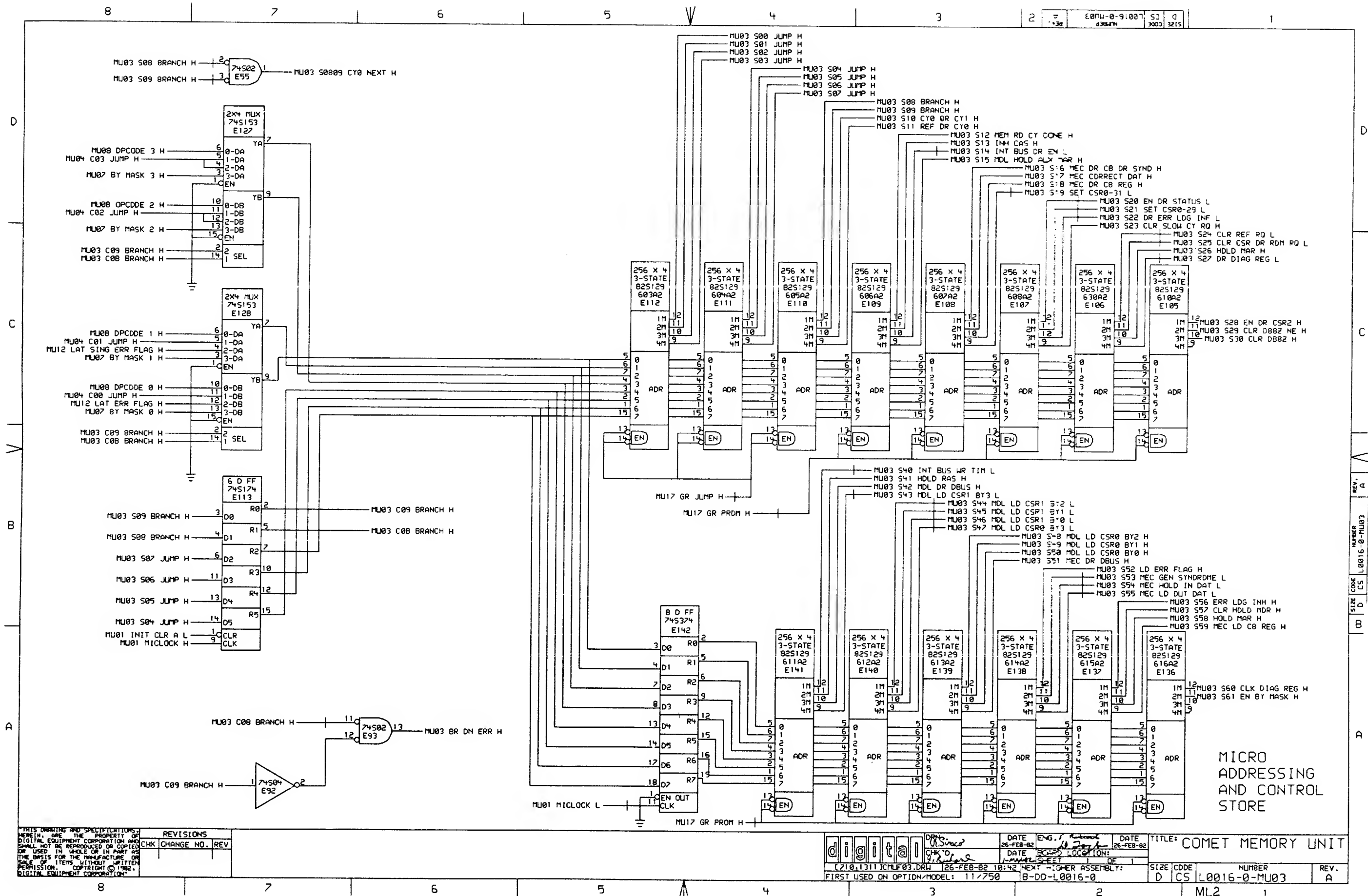
REWORK INSTRUCTIONS:
ECO #2:
WIRE ADDS, SIDE 1:
2-1 E8-9 TO E8-11.
2-2 E7-15 TO E8-11.

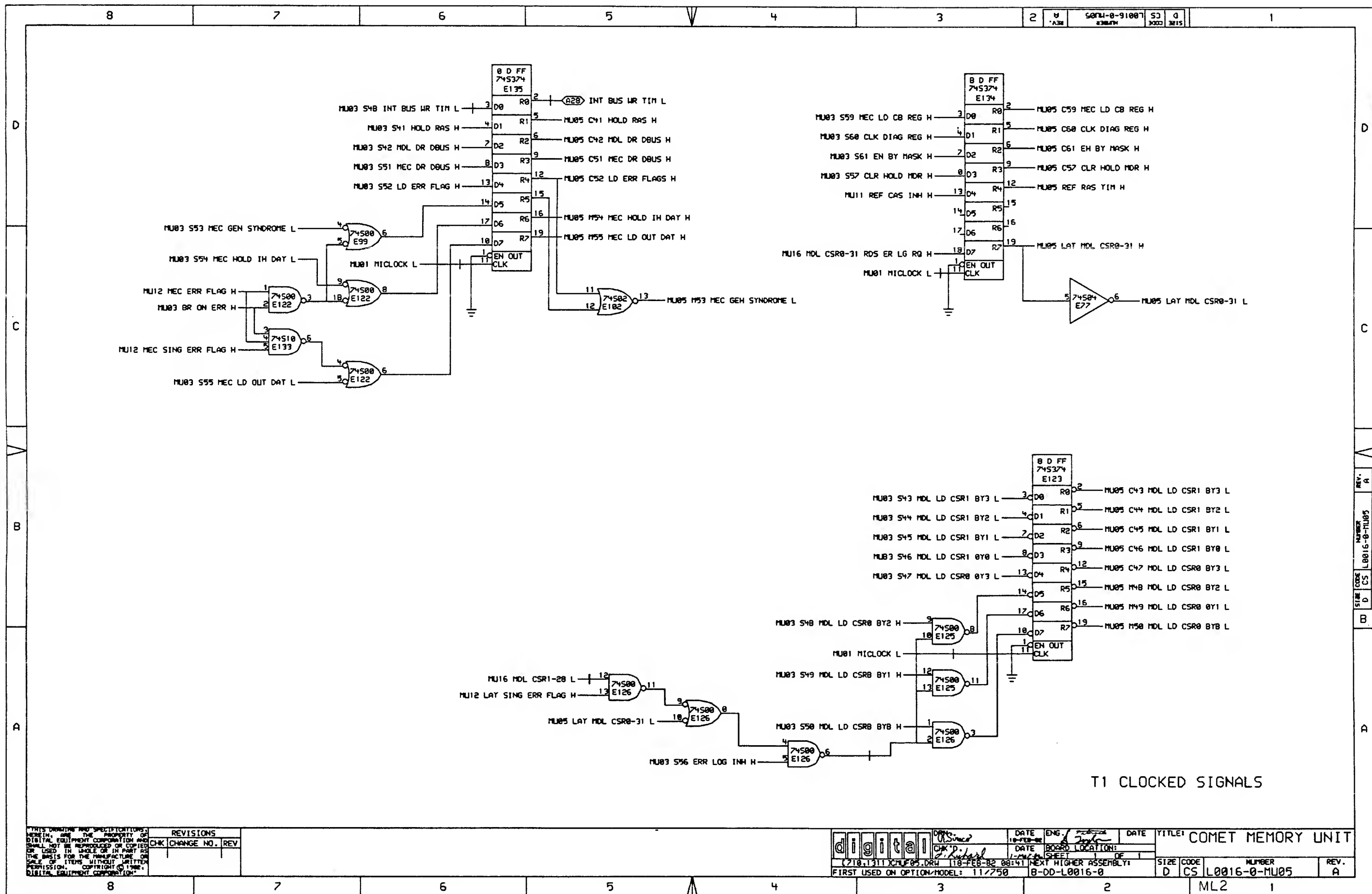
REVISION HISTORY		
DATE	ECO NUMBER	REV

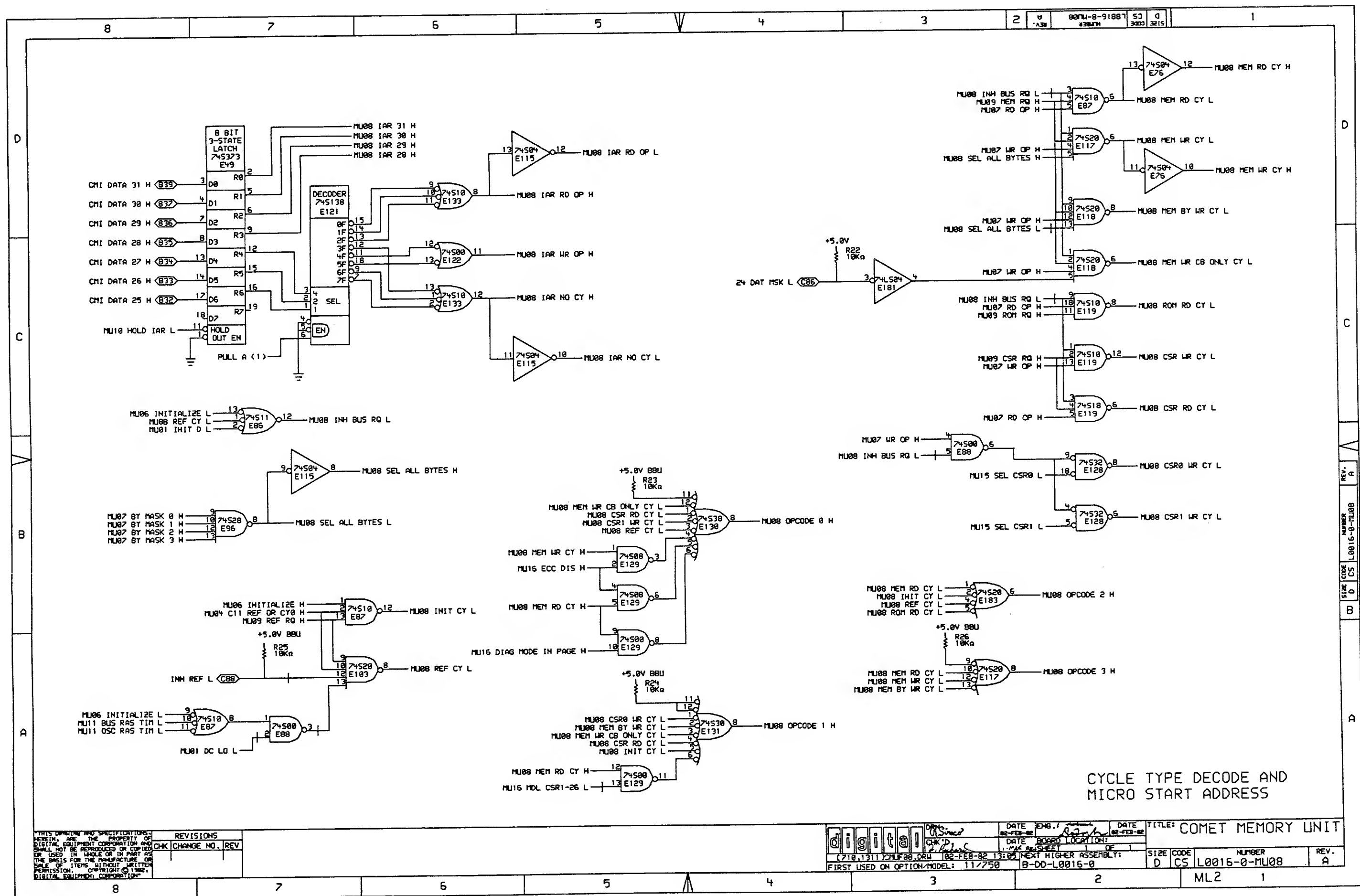
TITLE COMET
MEMORY UNIT

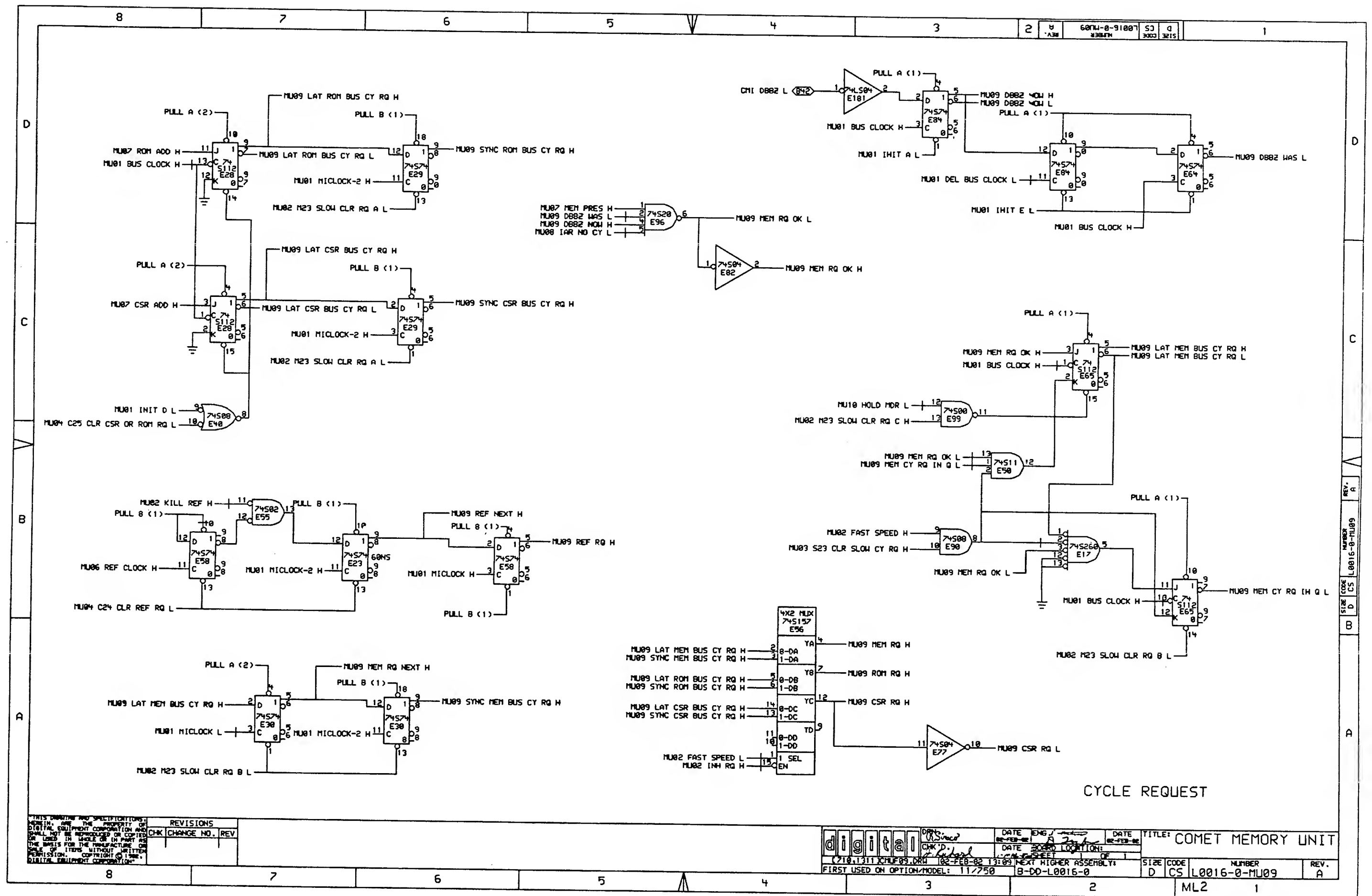
DOCUMENT NUMBER		
REV	DATE	REV
EUA	L0016-0-0	C
SCALE	1:1	SHEET 2 OF 2



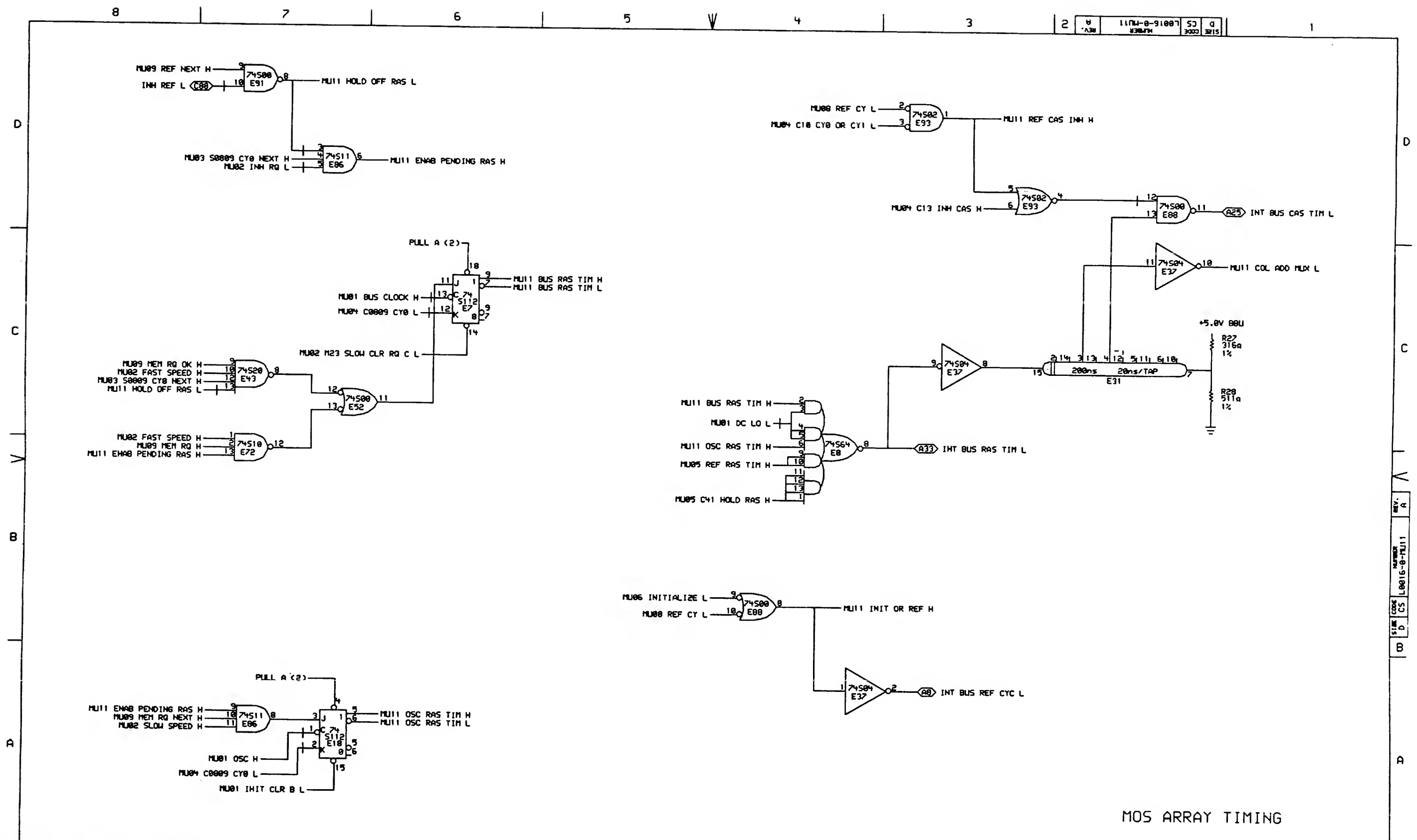


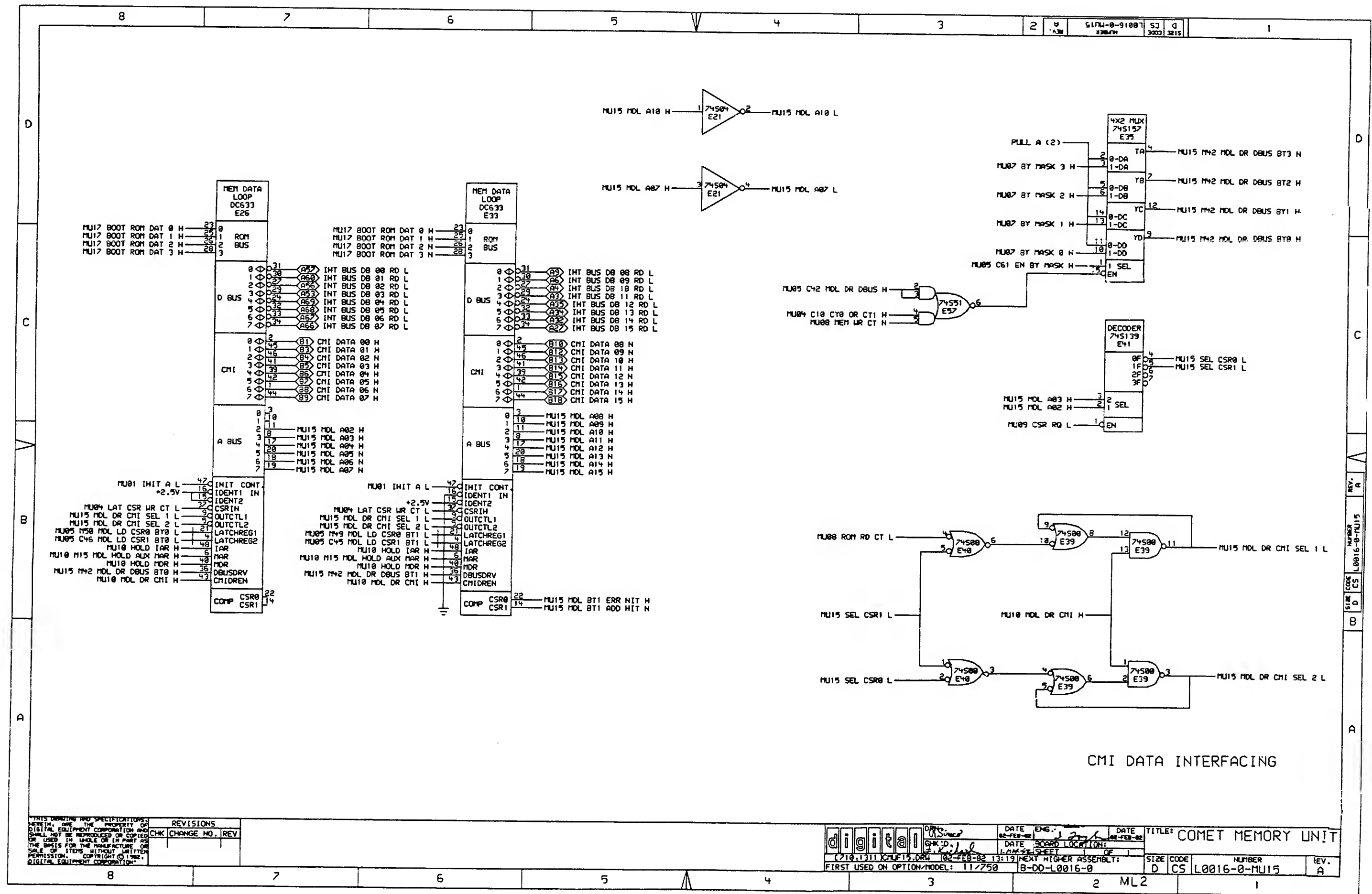












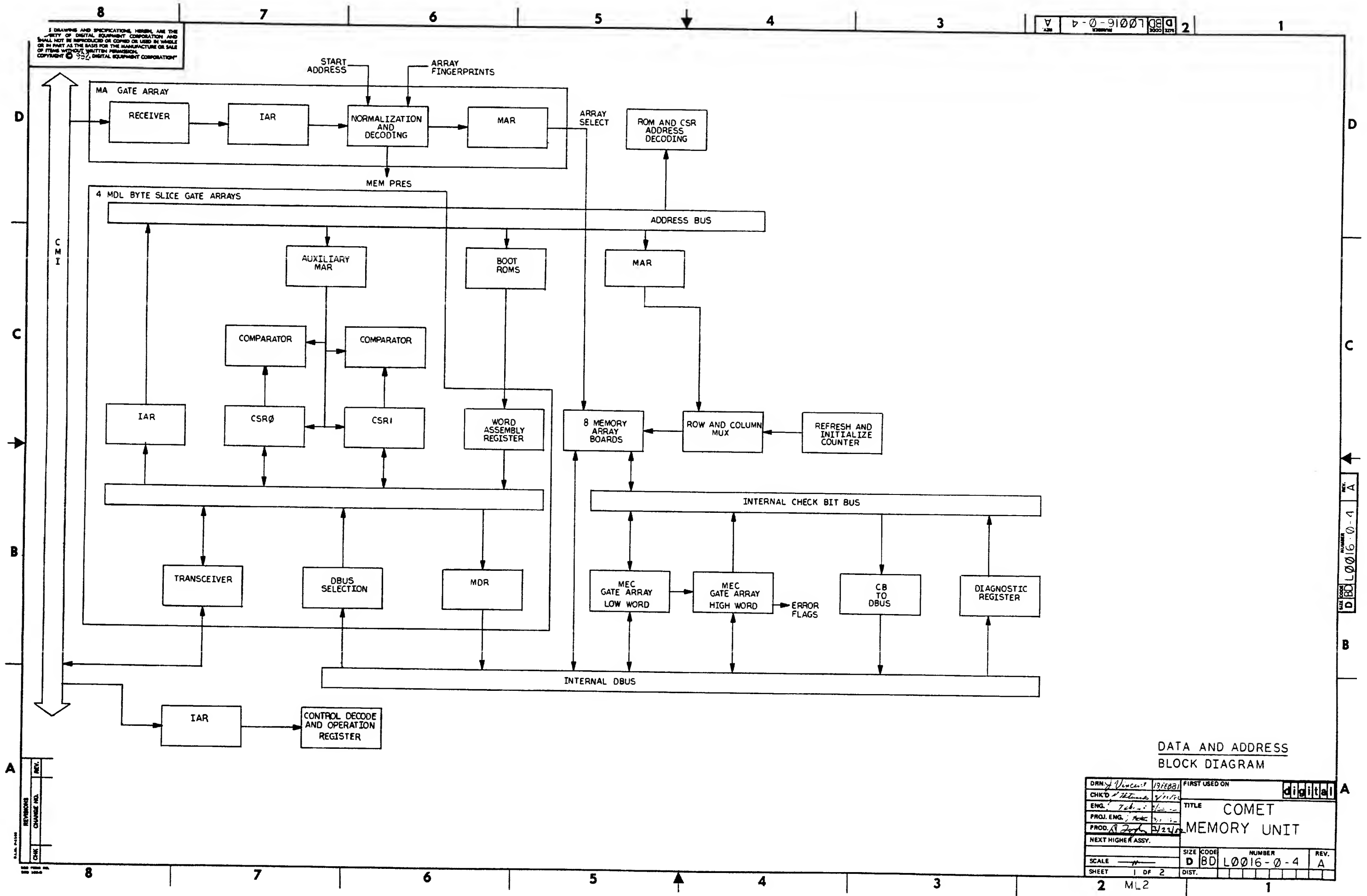
LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
30	30		1910645-00	75452 DRIVER,FERIPH,DUAL,	1	E114
31	31		1910951-00	9602 ONE SHOT-DUAL	1	E59
32	32		1911469-00	DEC 8640 RECEIVER,BUS,QUAD,U	1	E132
33	33		1911675-00	74S138 DECODER/DEMUX 3-8 LIN	1	E121
34	34		1911676-00	74S139 DECODER-DUAL TWO-INF	1	E41
35	35		1911712-00	74S51 AND-OR GATE-INVERT D	1	E57
36	36		1911983-00	74S133 NAND GATE-POSITIVE 1	1	E4
37	37		1912096-00	DEC 74S86 XOR GATE,QUAD 2IN	1	E48
38	38		1912388-00	74S02 NOR GATE-QUAD 2IN,PO	5	E102,E104,E78,E55,E93
39	39		1912389-00	74S08 AND GATE-QUAD 2IN,PO	3	E61,E40,E90
40	40		1912803-00	LS04 INVERTER GATE,HEX	1	E101
41	41		1912847-00	LS157 MUX 1 OF 2(QUAD)	1	E66
42	42		1912871-00	LS375 LATCH	1	E124
43	43		1913340-00	74S32 OR GATE-QUAD 2IN	2	E67,E120
44	44		1913670-00	74S373 LATCH 8BIT TRASP TR	4	E6,E9,E49,E51
45	45		1913671-00	74S374 FF-D OCTAL TRISTATE	9	E1,E2,E142,E97,E95,E94,E123,
						CONT E134,E135
46	46		1914085-00	74S260 NOR GATE-DUAL,POS	3	E16,E17,E36
47	47		1914086-00	74S30 NAND GATE-POS 8IN	2	E130,E131
48	48		1914451-00	74LS393 COUNTER,BINARY,4BIT	3	E19,E24,E25
49	49		1914705-00	DC 631B BIPOLAR,LS,400-GATE	2	E15,E27
50	50		1914707-00	DC 633C BIPOLAR,LS,400-GATE	4	E14,E26,E32,E33
51	51		1914724-00	DC 650 BIPOLAR,LS,400-GATE	1	E42
52	52		1915193-00	LS244 DRIVER,LINE,OCTAL,T	5	E3,E68,E69,E70,E71
53	53		23000A2-05	*** THIS ITEM IS NOT USED ***	-	
54	54		1110864-00	LED 2MCD@10MA	1	D4
55	55		1114384-00	LED 105MW 35MA GREEN	1	D3
56	56		1016549-00	47 MFD 10V +50-10% AL EL	1	C2
57	57		1001796-00	50 MFD 25V +75-10% AL EL	1	C3
58	58		1304857-00	237.0 .25 W 1.0 % RN55D-F10	1	R6
59	59		1304863-00	316.0 .25 W 1.0 % RN55D-F10	2	R11,R27
60	60		1012784-00	.047 MFD 50V +80-20% CER	52	C5-C56
61	61		1012084-01	8 MFD 25V +75-10% AL EL	13	C65-C69,C100-C107
62	62		1215006-02	SKT,IC 16PIN DIP TIN SOLD	4	XE44-XE47
63	63		1215924-00	SKT,IC 48PIN DIP GOLD FOR	7	XE14,XE15,XE26,XE27,XE32,XE33,
						CONT XE42
64	64		9000024-01	EYELET,ROLLED 0.1210DX0.192	12	
65	65	E-UA-L0016-0-0		UNIT ASSEMBLY	REF	
66	66	E-MD-5014676-0-0		DRILL & ETCH DRAWING	REF	
67	67	D-CS-L0016-0-1		CIRCUIT SCHEMATIC	REF	
68	68	E-EC-5014676-0-0		ETCH CUT DRAWING	REF	
69	69		1216988-02	HANDLE,MODULE,HEX TWO EJECTORS	1	
70	70		1215935-00	GASKET,THERMAL SILICONE	7	
71	71		1215936-00	HEAT SINK, 2.200X.585	7	
72	72	B-DD-L0016-0		DRAWING DIRECTORY	REF	
73	73	D-TD-L0016-0-3		L0016 TIMING CHARTS	REF	
74	74		23603A2-00	A2-05	1	E112
75	75		23604A2-00	A2-05	1	E111

D	I	G	I	T	A	L	TITLE	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							COMET MEMORY UNIT		K	PL	L0016-0-DBF	B

LINE ITEM		DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
76	76		23605A2-00	A2-05	1	E110
77	77		23606A2-00	A2-05	1	E109
78	78		23607A2-00	A2-05	1	E108
79	79		23608A2-00	A2-05	1	E107
80	80		23630A2-00	A2-05	1	E106
81	81		23610A2-00	A2-05	1	E105
82	82		23611A2-00	A2-05	1	E141
83	83		23612A2-00	A2-05	1	E140
84	84		23613A2-00	A2-05	1	E139
85	85		23614A2-00	A2-05	1	E138
86	86		23615A2-00	A2-05	1	E137
87	87		23616A2-00	A2-05	1	E136
88	88		23905A9-00	A9-01	1	E44
89	89		23906A9-00	A9-01	1	E45
90	90		23948A9-00	A9-01	1	E46
91	91	D-BD-L0016-0-4		L0016 BLOCK DIAGRAM	REF	
92	92	D-FD-L0016-0-2		FLOW DIAGRAM	REF	

D I G I T A L				TITLE	COMET MEMORY UNIT	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							K	FL	L0016-0-DBP	B

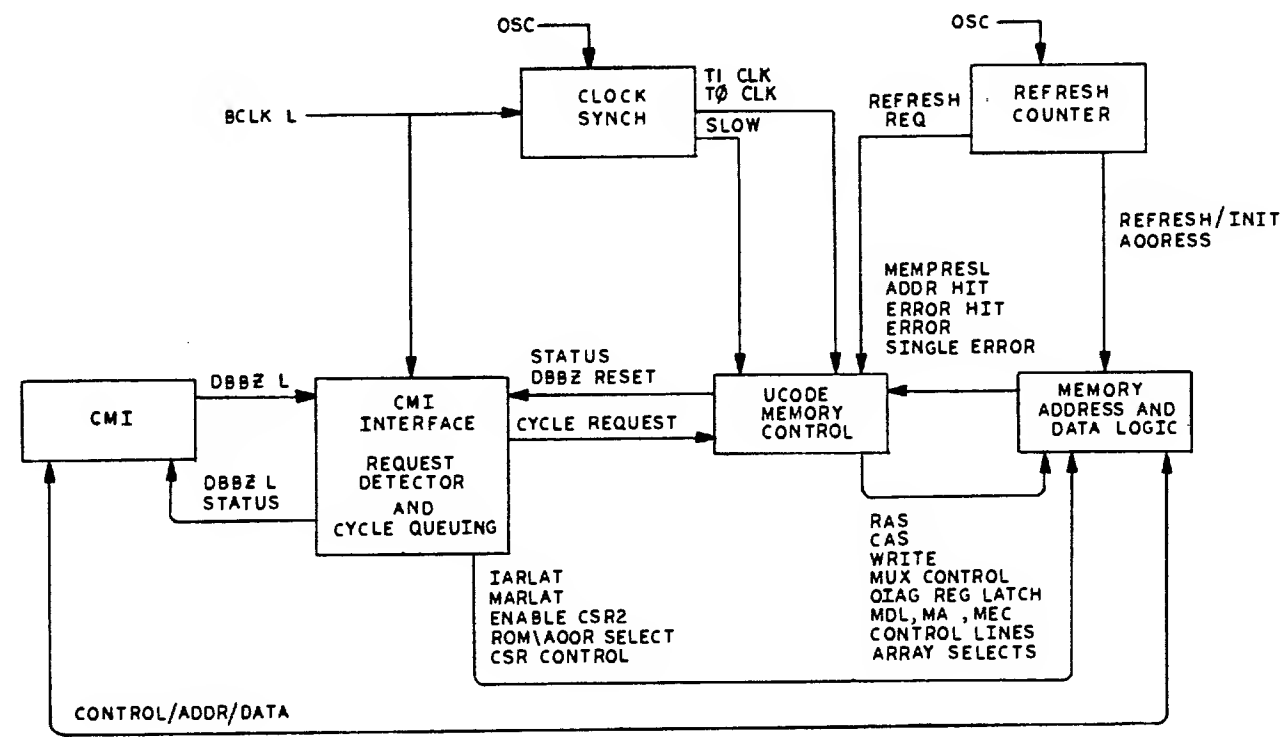
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DATA AND ADDRESS
BLOCK DIAGRAM

DRN: Vincent	197808	FIRST USED ON	digital
CHK'D: Vincent	197808	TITLE	COMET
ENG: Vincent	197808	NUMBER	BD L0016-0-4
PROJ. ENG: Vincent	197808	REV.	A
PROD. A. Vincent	197808	SIZE CODE	D
NEXT HIGHER ASSY.		DIST.	
SCALE	1 OF 2		
SHEET	2		

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CONTROL LOGIC
BLOCK DIAGRAM

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE COMET MEMORY		SIZE CODE D BD	NUMBER L0016-0-4	REV. A
SCALE 1/1	SHEET 2 OF 2	DIST.		

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7

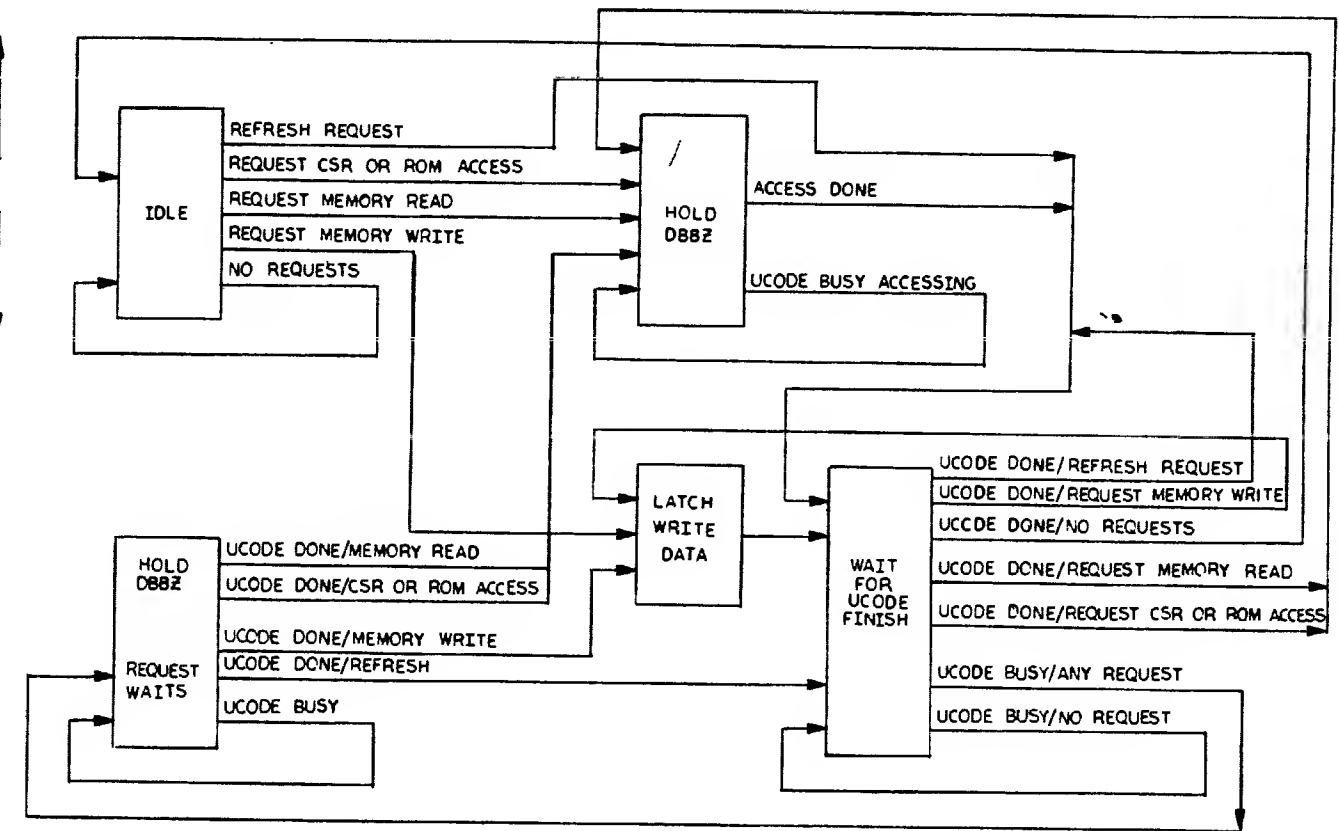
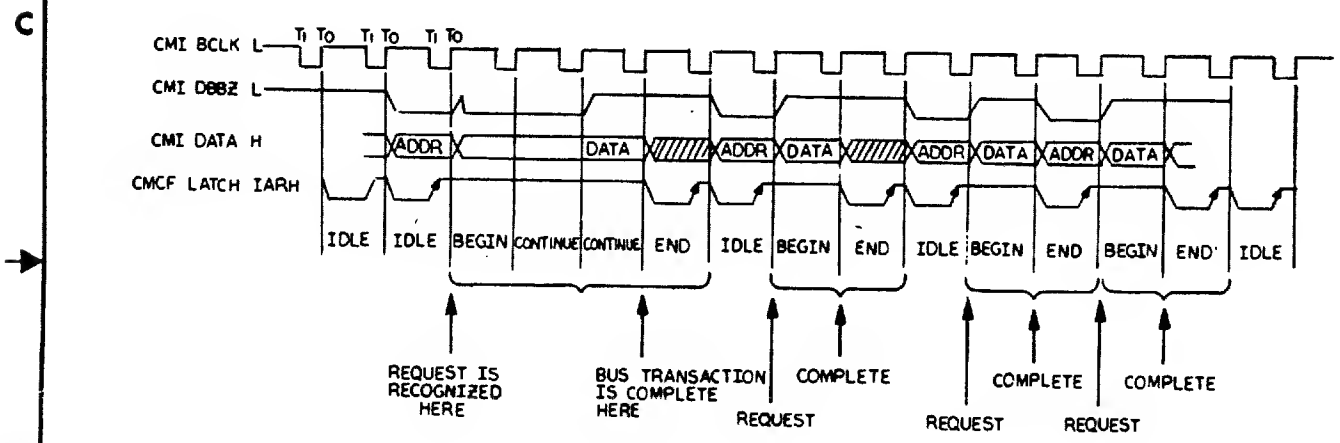
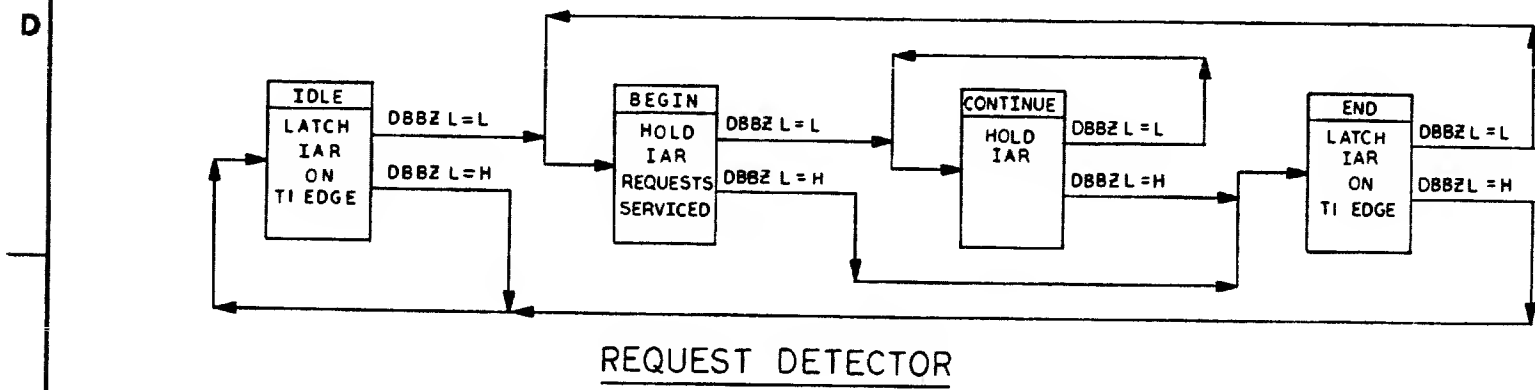
6

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NOTE: AS THE REQUEST DETECTOR ENTERS THE BEGIN STATE, THIS MACHINE ENTERS THE STATE TO WHICH THE REQUEST POINTS. SIMULTANEOUSLY, THE UCODE MEMORY CONTROL WILL BEGIN AT THE STARTING ADDRESS STATE OF THE REQUESTED CYCLE IF IT IS NOT BUSY.

CMI INTERFACE FLOW

DRN. <i>J. Vincent</i>	19 FEB 81	FIRST USED ON	<i>digital</i>
CHK'D. <i>Robert</i>	3/22/81	TITLE	COMET
ENG. <i>J. Vincent</i>	3/22/81	NUMBER	L0016-0-2
PROJ. ENG. <i>J. Vincent</i>	3/22/81	REV.	A
PROD. <i>J. Vincent</i>	3/22/81	SIZE	D FD
NEXT HIGHER ASSY.		DIST.	
SCALE			
SHEET 1 OF 1			

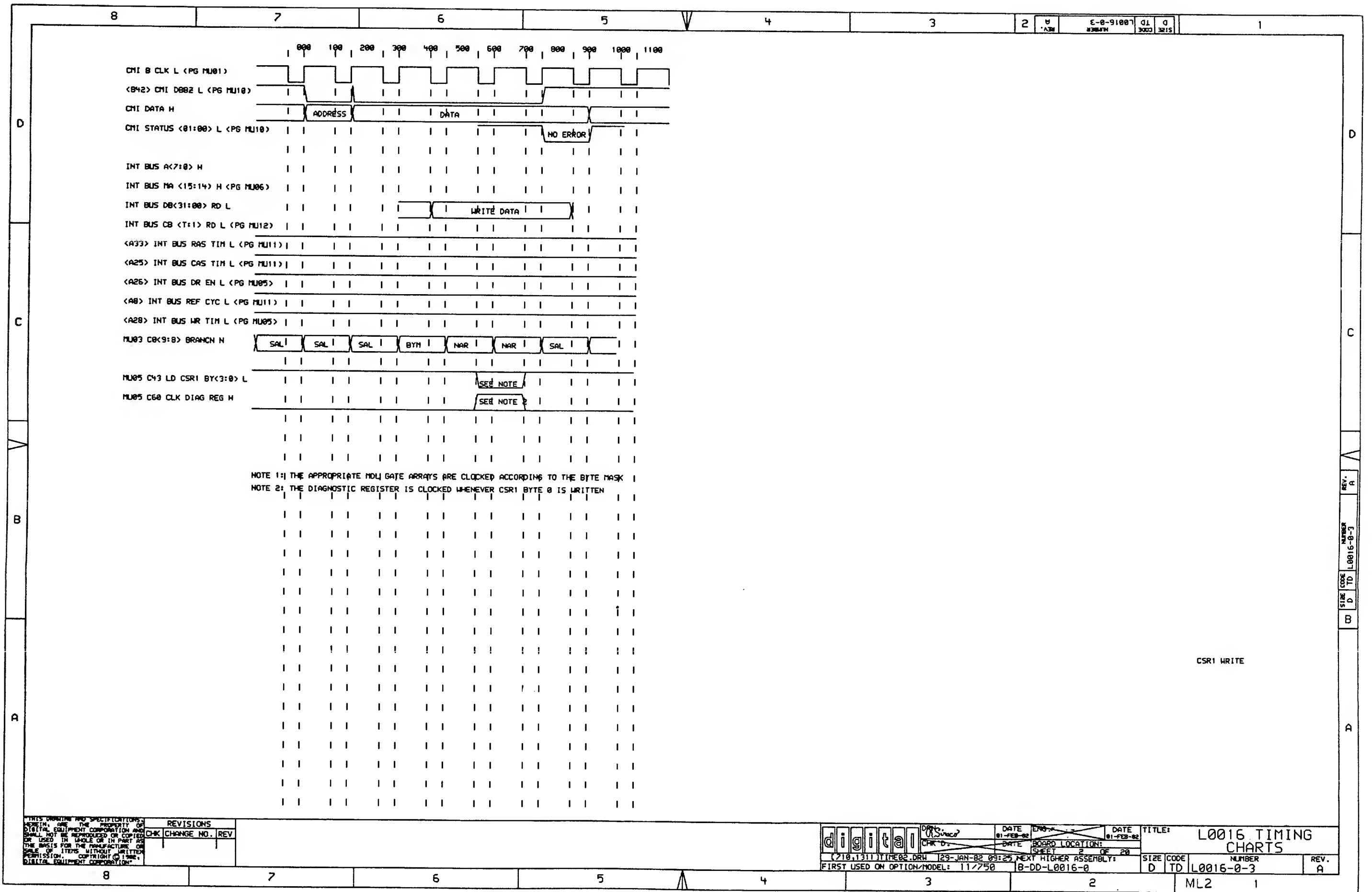
REV.	
CHANGE NO.	
CMC	

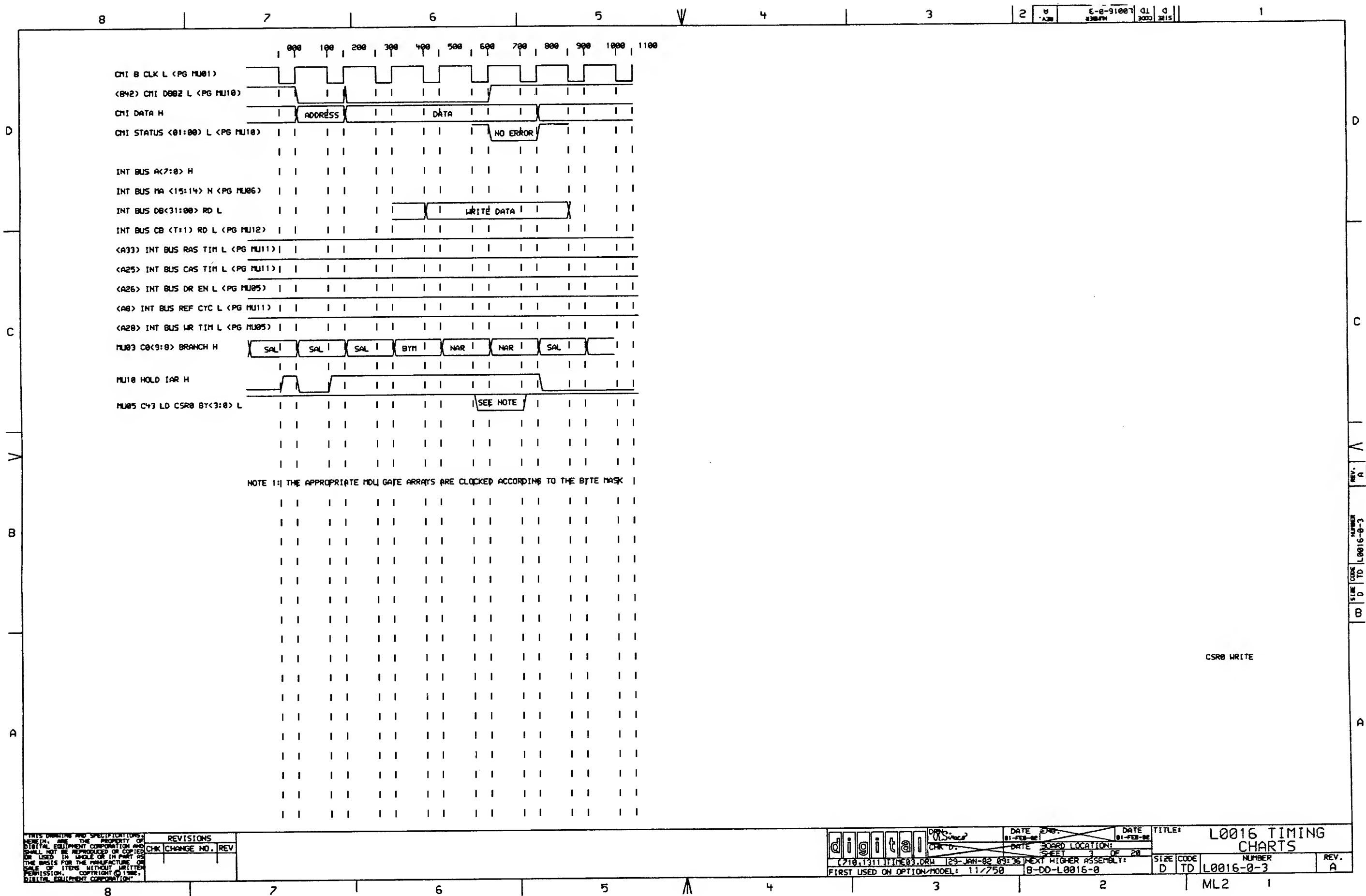
MU03 C0<9:8> BRANCH H
 MU03 C08 BRANCH H
 MU03 C09 BRANCH H

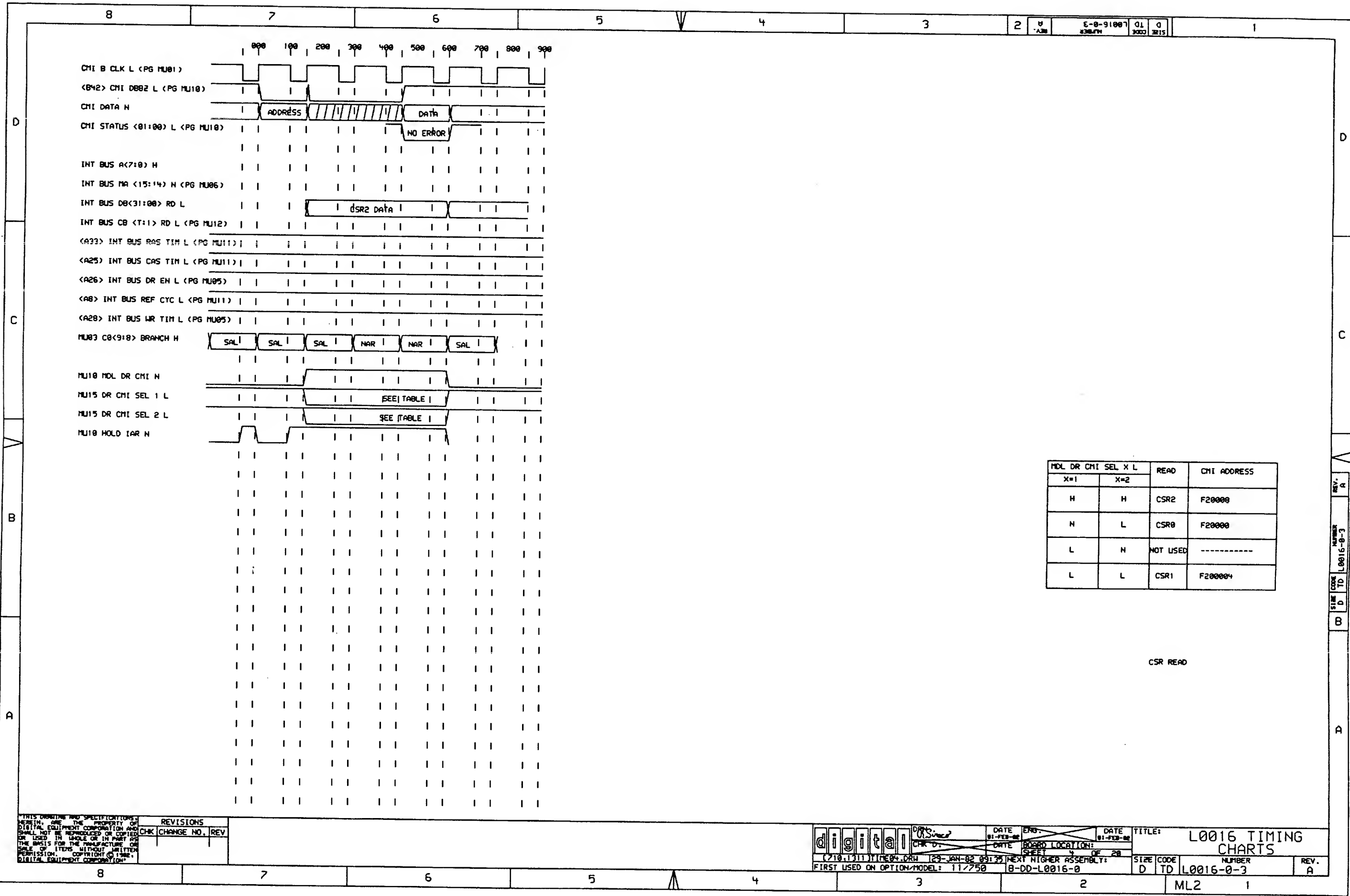


REVISIONS		
CHK	CHANGE NO.	REV

TITLE: L0016 TIMING CHARTS			
SIZE	CODE	NUMBER	REV.
D	TD	L0016-0-3	A

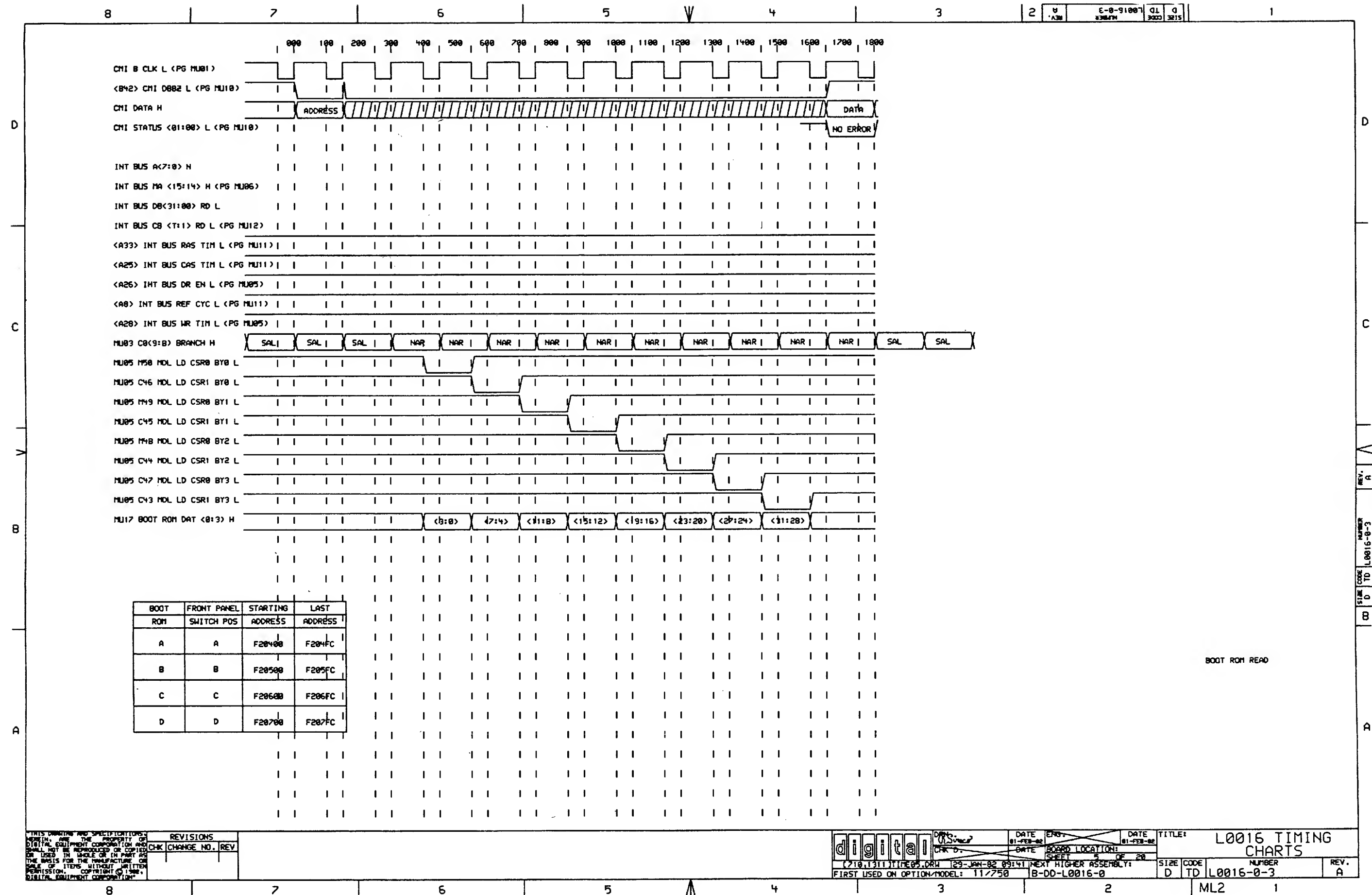


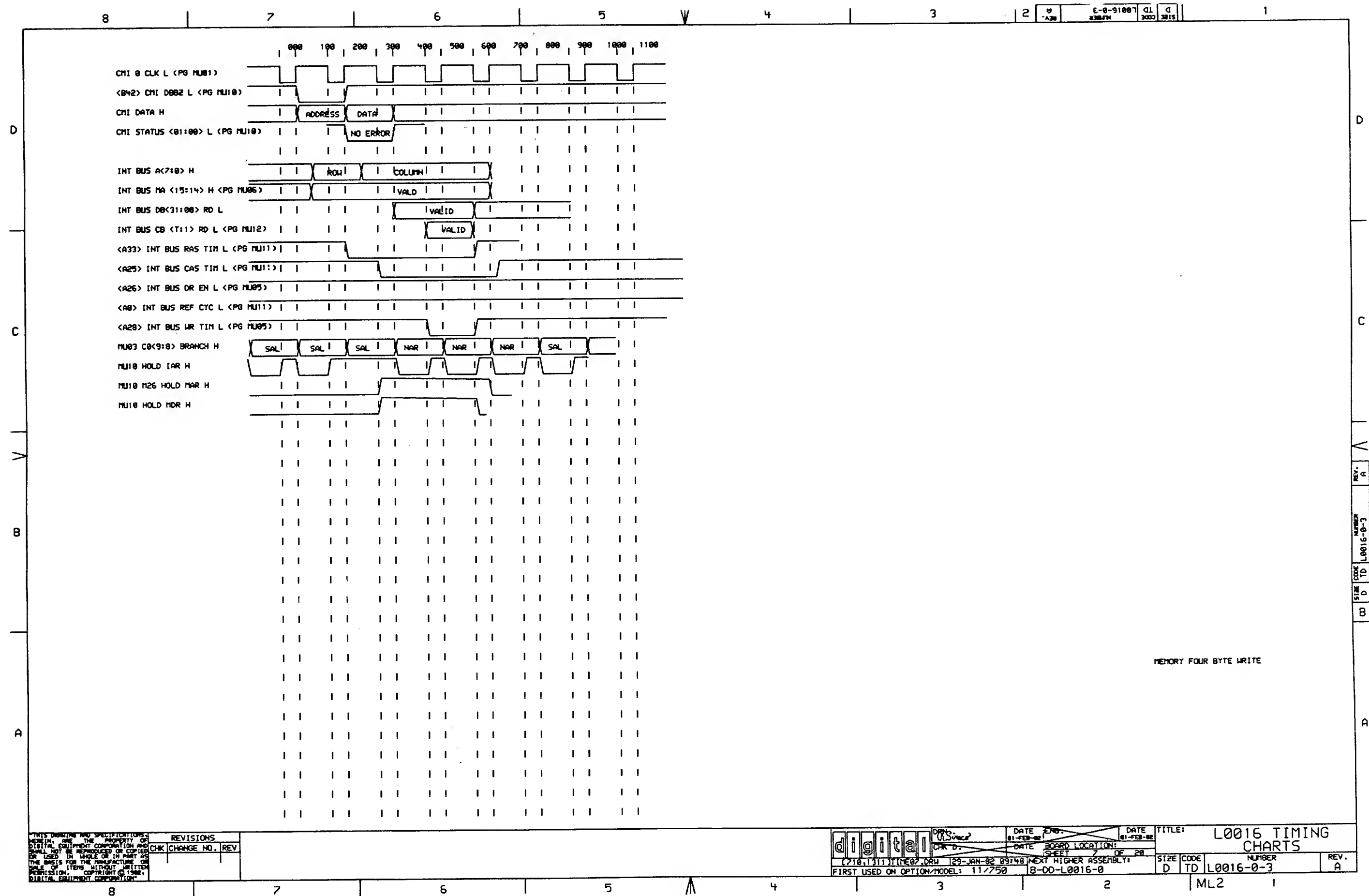


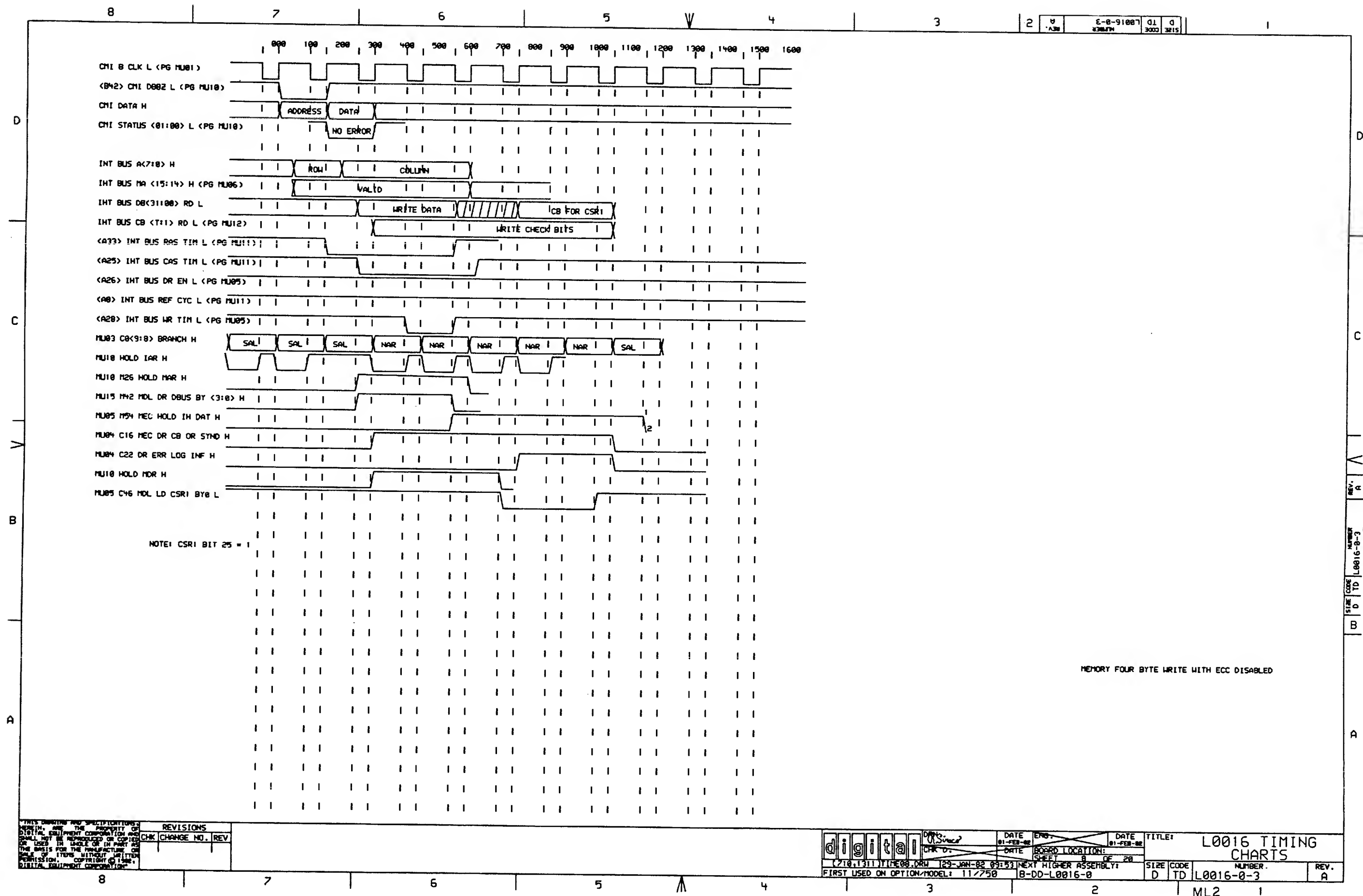


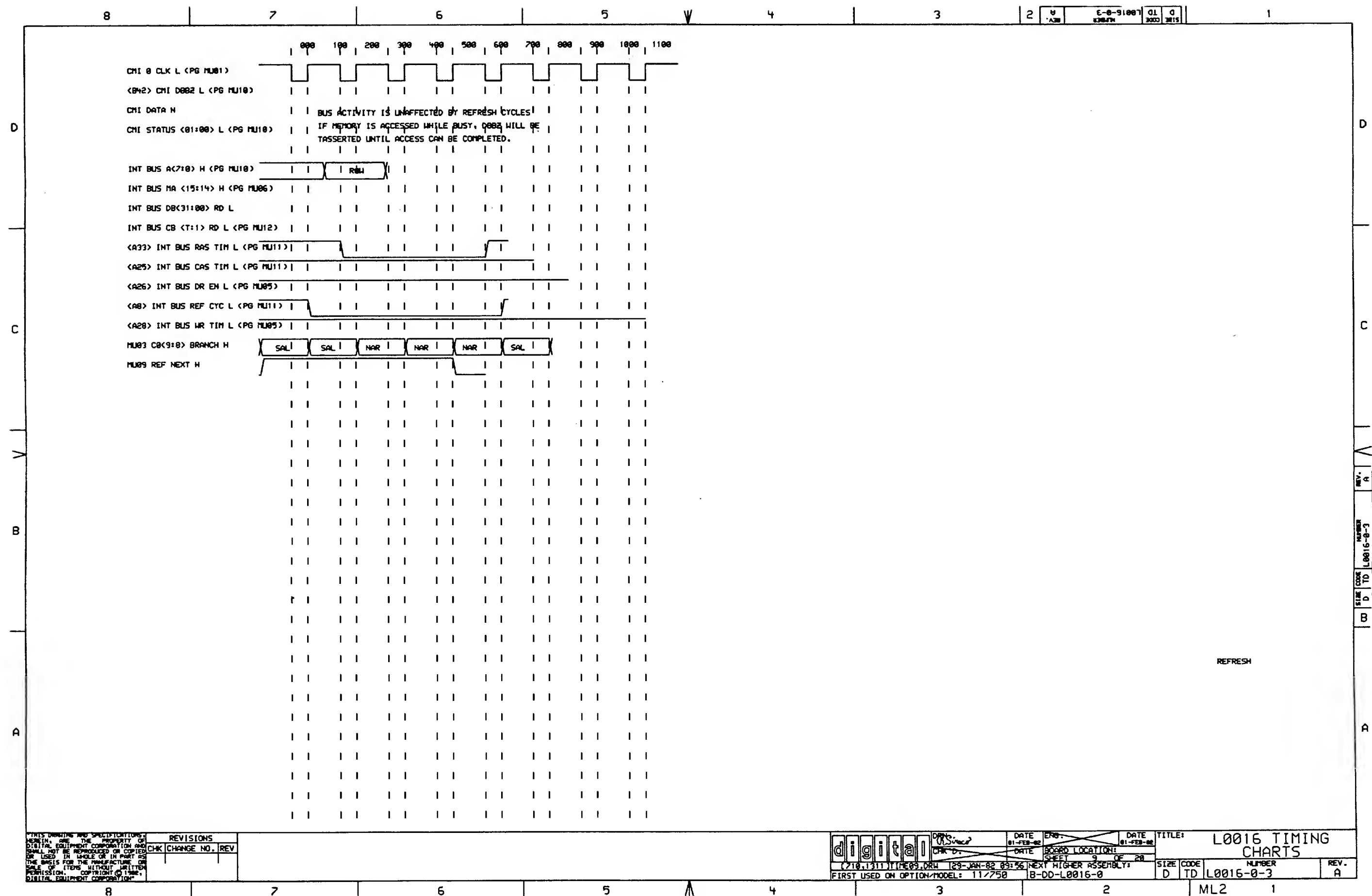
MDL DR CMI SEL X L	READ	CMI ADDRESS
X=1	X=2	
H	H	CSR2 F20000
N	L	CSR0 F20000
L	N	NOT USED
L	L	CSR1 F20000

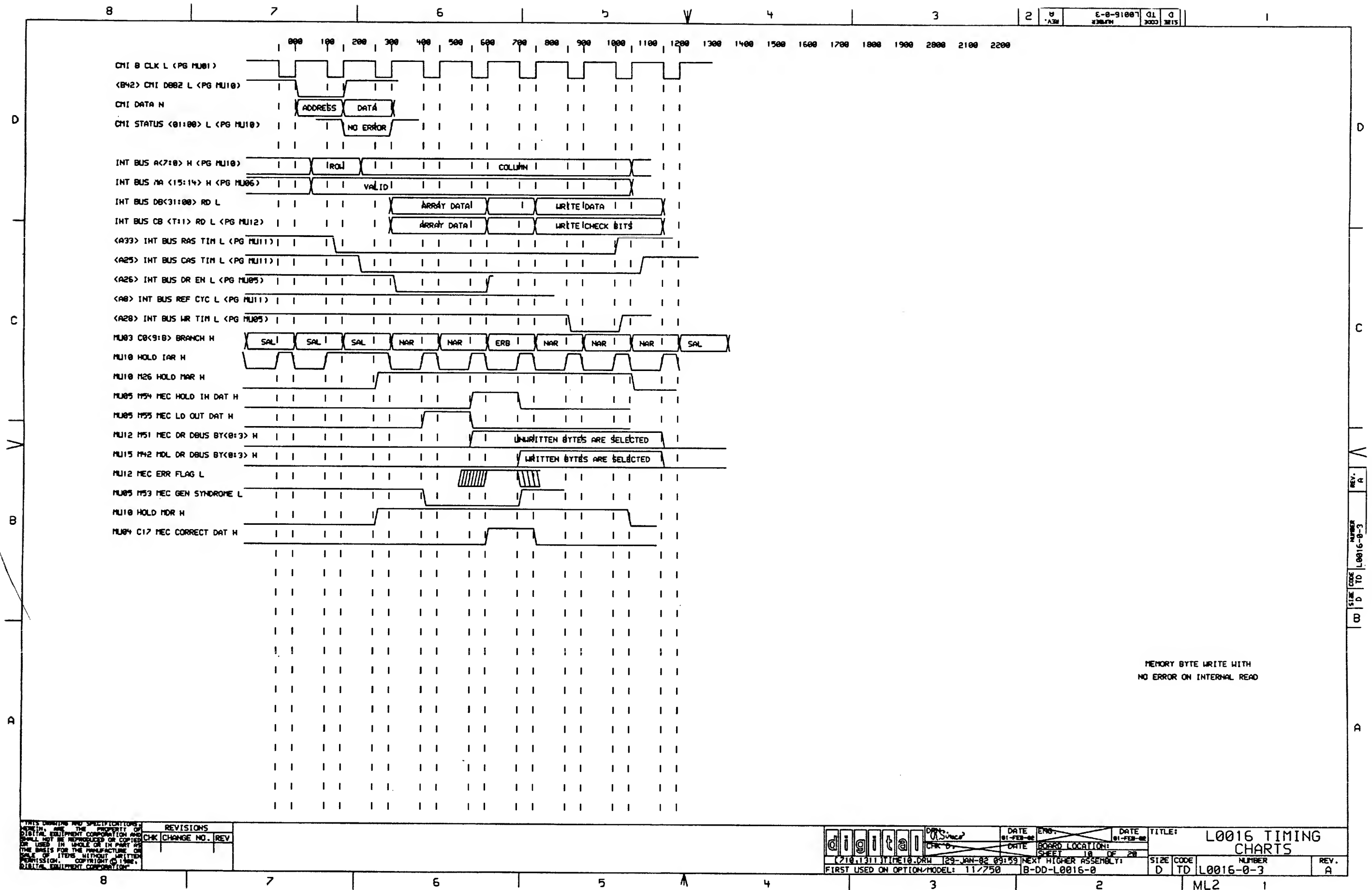
CSR READ

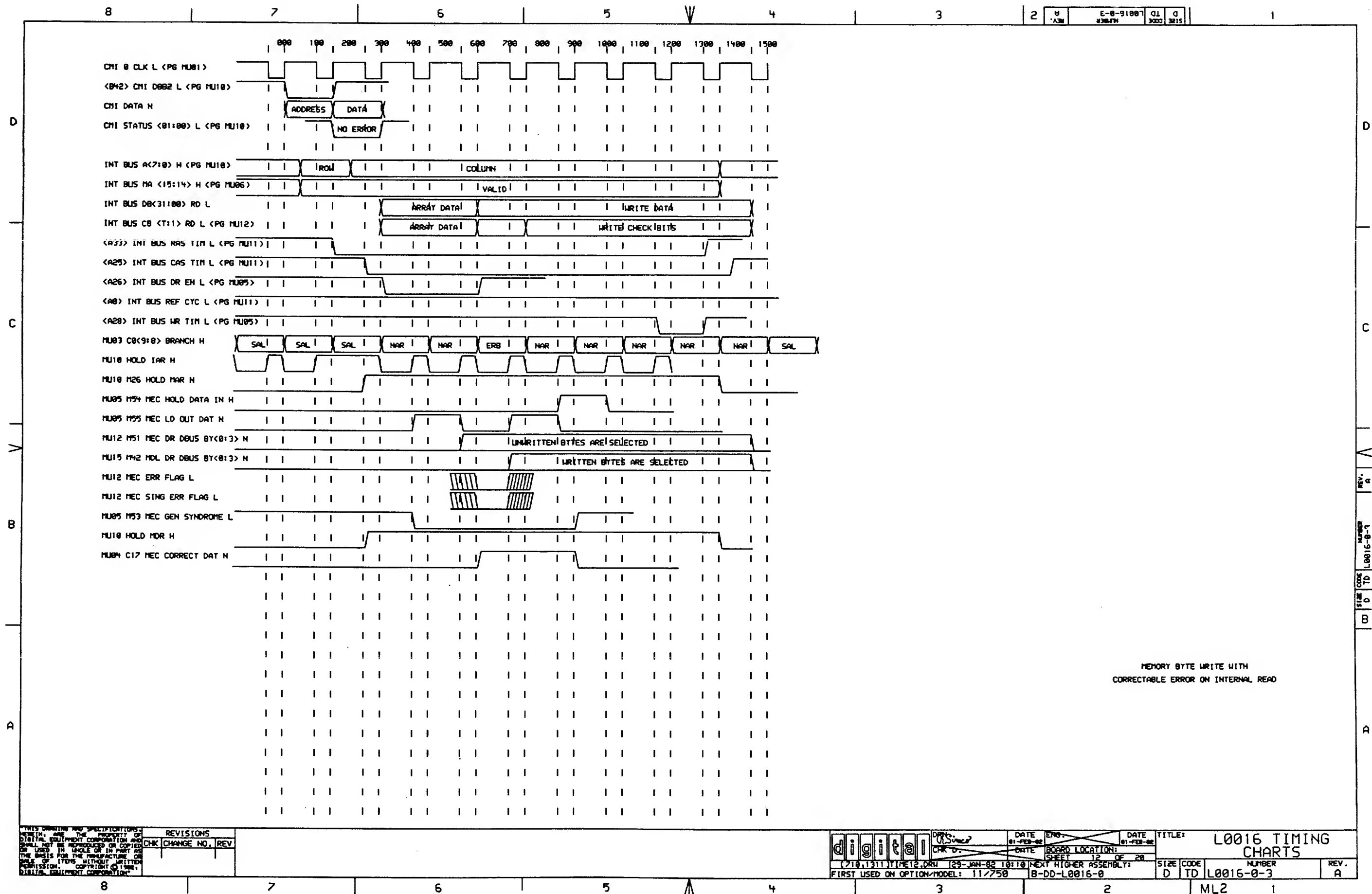


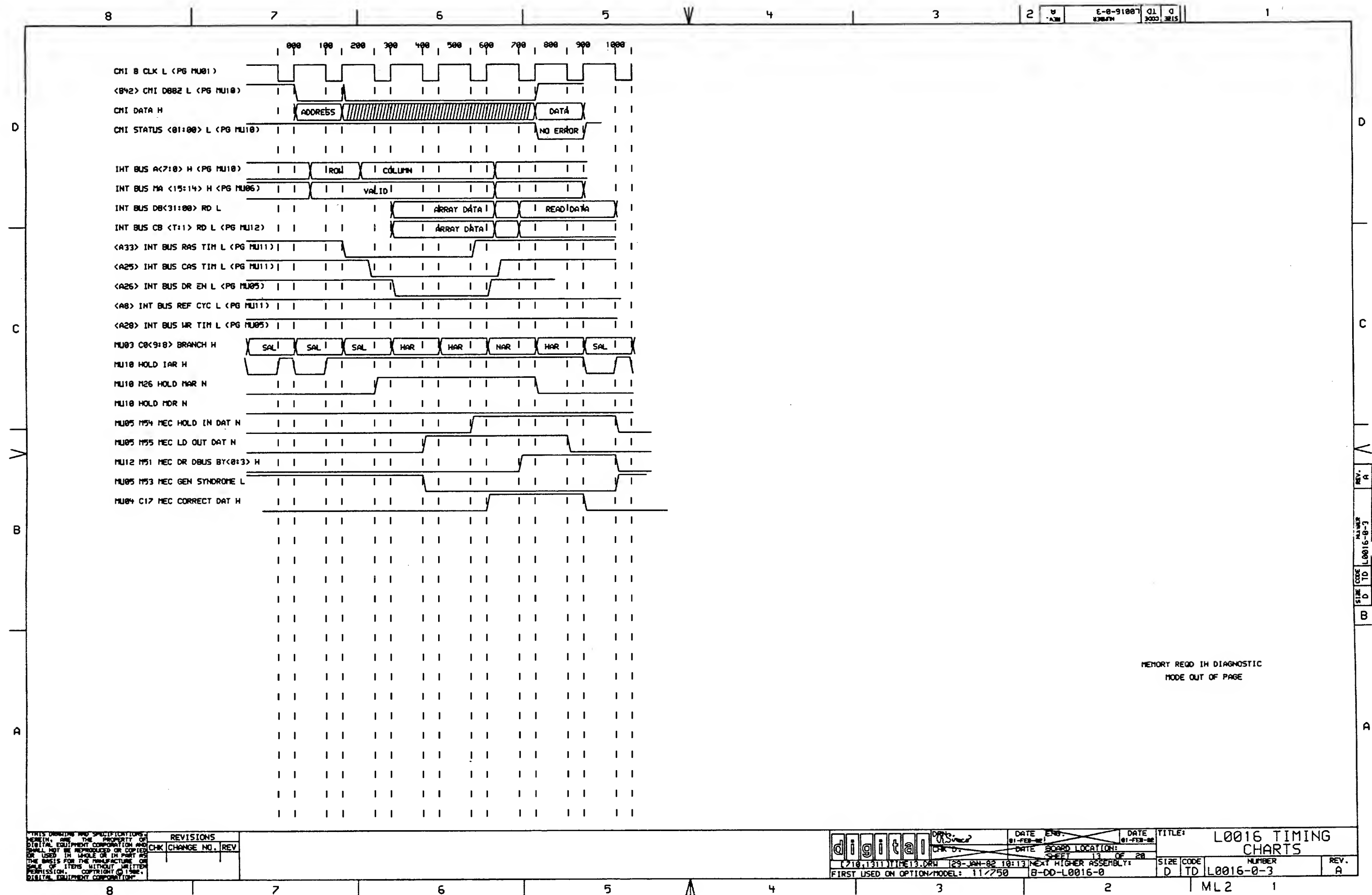












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E-8-91007

01 0

3000 3215

000 100 200 300 400 500 600 700 800 900 1000 1100 1200

CM1 B CLK L (PG MU01)

(B42) CM1 D0B2 L (PG MU10)

CM1 DATA N

CM1 STATUS (01:00) L (PG MU10)

INT BUS A(7:0) H (PG MU10)

INT BUS MA (15:14) N (PG MU06)

INT BUS DB(31:00) RD L

INT BUS CB (T:1) RD L (PG MU12)

(A33) INT BUS RAS TIM L (PG MU11)

(A25) INT BUS CAS TIM L (PG MU11)

(A26) INT BUS DR EN L (PG MU05)

(A8) INT BUS REF CYC L (PG MU11)

(A28) INT BUS WR TIM L (PG MU05)

MU03 C0(9:8) BRANCH N

MU10 HOLD IAR N

MU10 M26 HOLD MAR N

MU10 HOLD MDR N

MU05 M54 MEC HOLD IN DAT N

MU05 M55 MEC LD OUT DAT H

MU12 M51 MEC DR DBUS BY(0:3) N

MU12 MEC ERR FLAG L

MU05 C59 MEC LD CB REG N

MU04 C27 DR DIAG REG L

MU05 M53 MEC GEN SYNDROME L

ADDRESS

DATA

NO ERROR

ROW

COLUMN

VALID

ARRAY DATA

READ DATA

DIAGNOSTIC CB

ARRAY DATA

SAL

SAL

SAL

NAR

NAR

NAR

NAR

ERB

SAL

MEMORY READ IN DIAGNOSTIC
MODE IN PAGE WITH NO ERROR

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REVISIONS		
CHK	CHANGE NO.	REV

digital

DATE: 01-FEB-82
CHK: D.

DATE: 01-FEB-82
DATE: 01-FEB-82
DATE: 01-FEB-82
DATE: 01-FEB-82

DATE: 01-FEB-82
DATE: 01-FEB-82
DATE: 01-FEB-82
DATE: 01-FEB-82

DATE: 01-FEB-82
DATE: 01-FEB-82
DATE: 01-FEB-82
DATE: 01-FEB-82

710.1311 TIME14.DRW 129-JAN-82 10:16 NEXT HIGHER ASSEMBLY: 11/7750 18-00-L0016-0

SIZE CODE

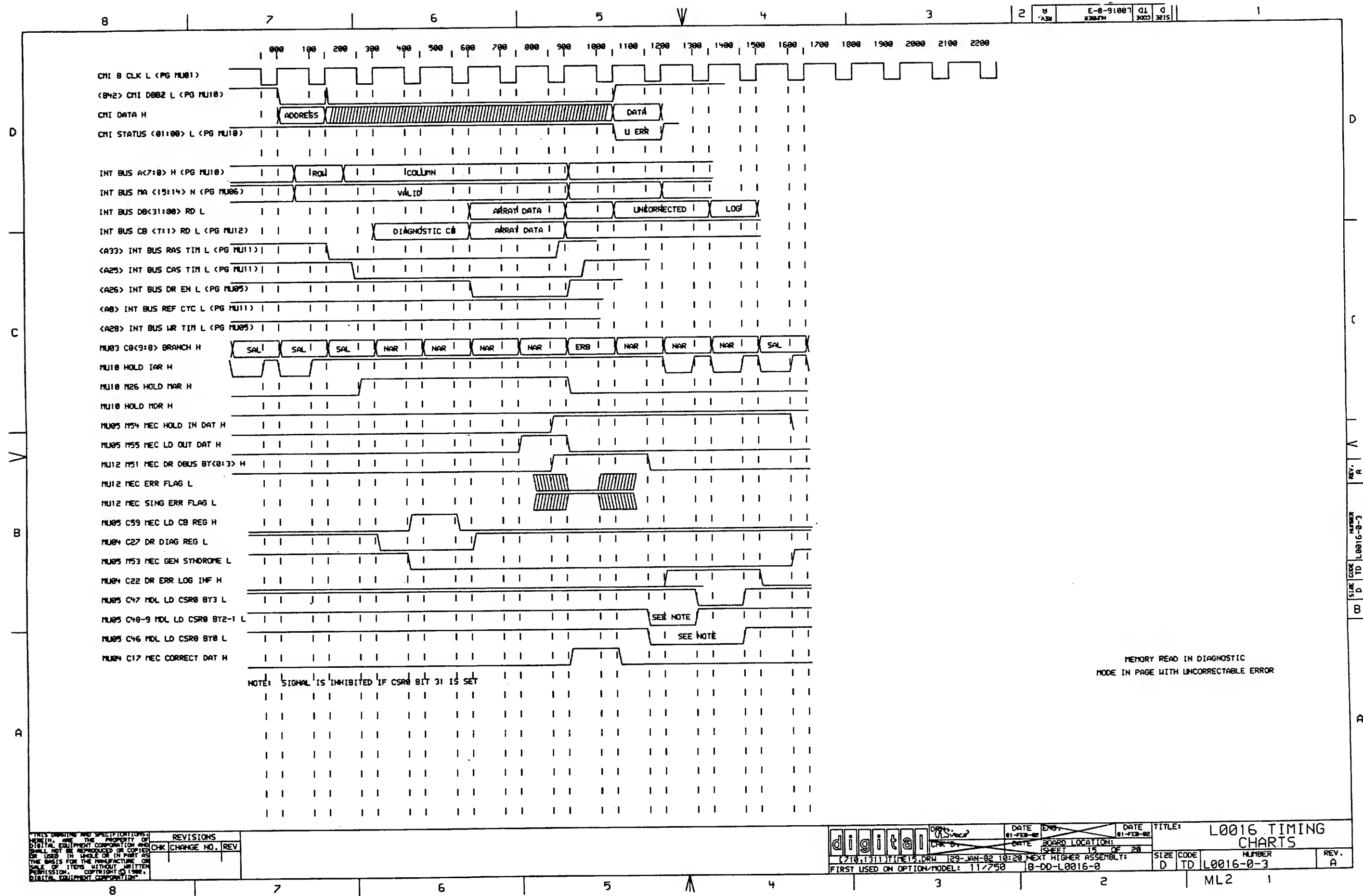
0 TD

L0016-0-3

REV. A

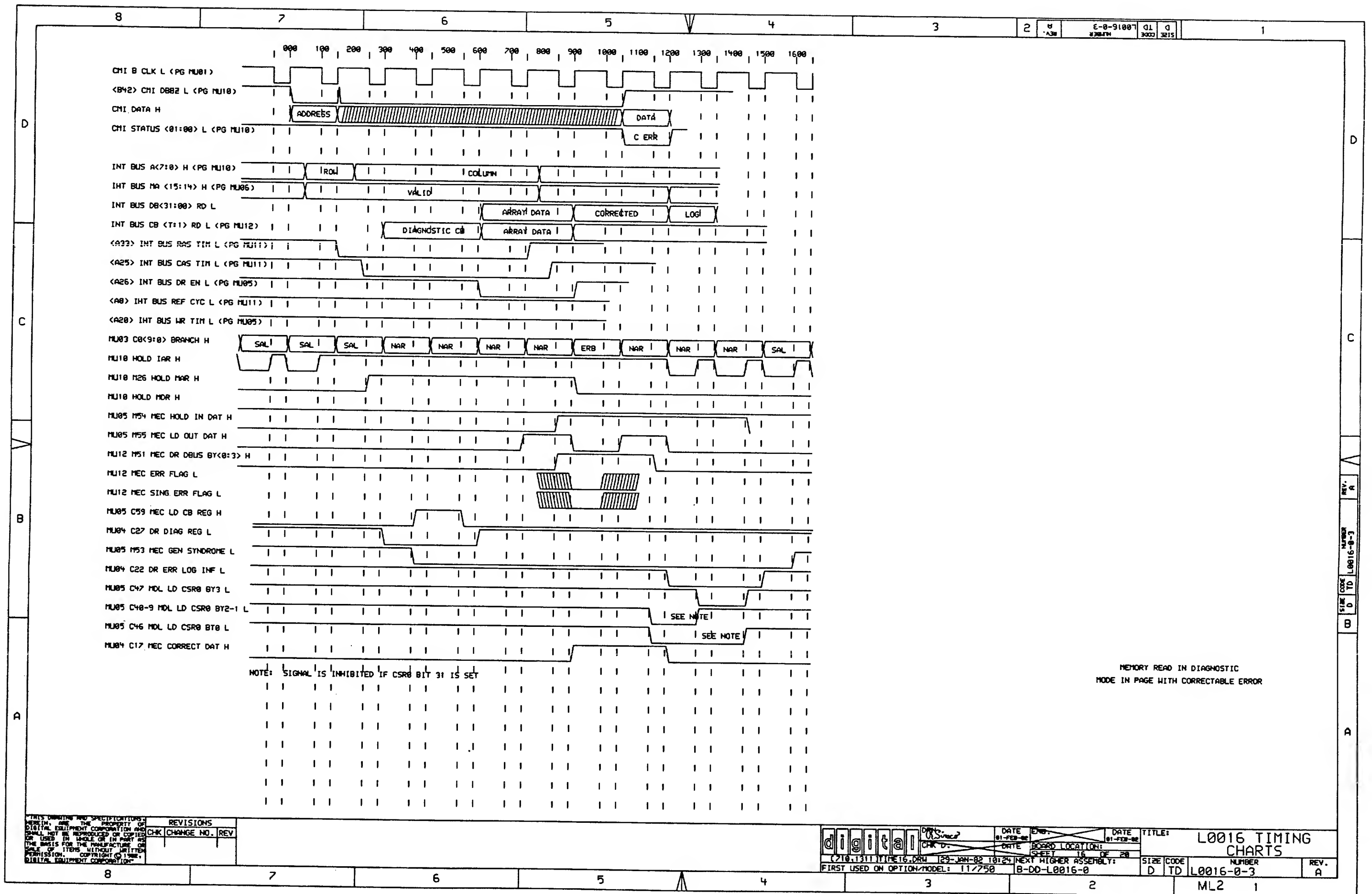
ML2

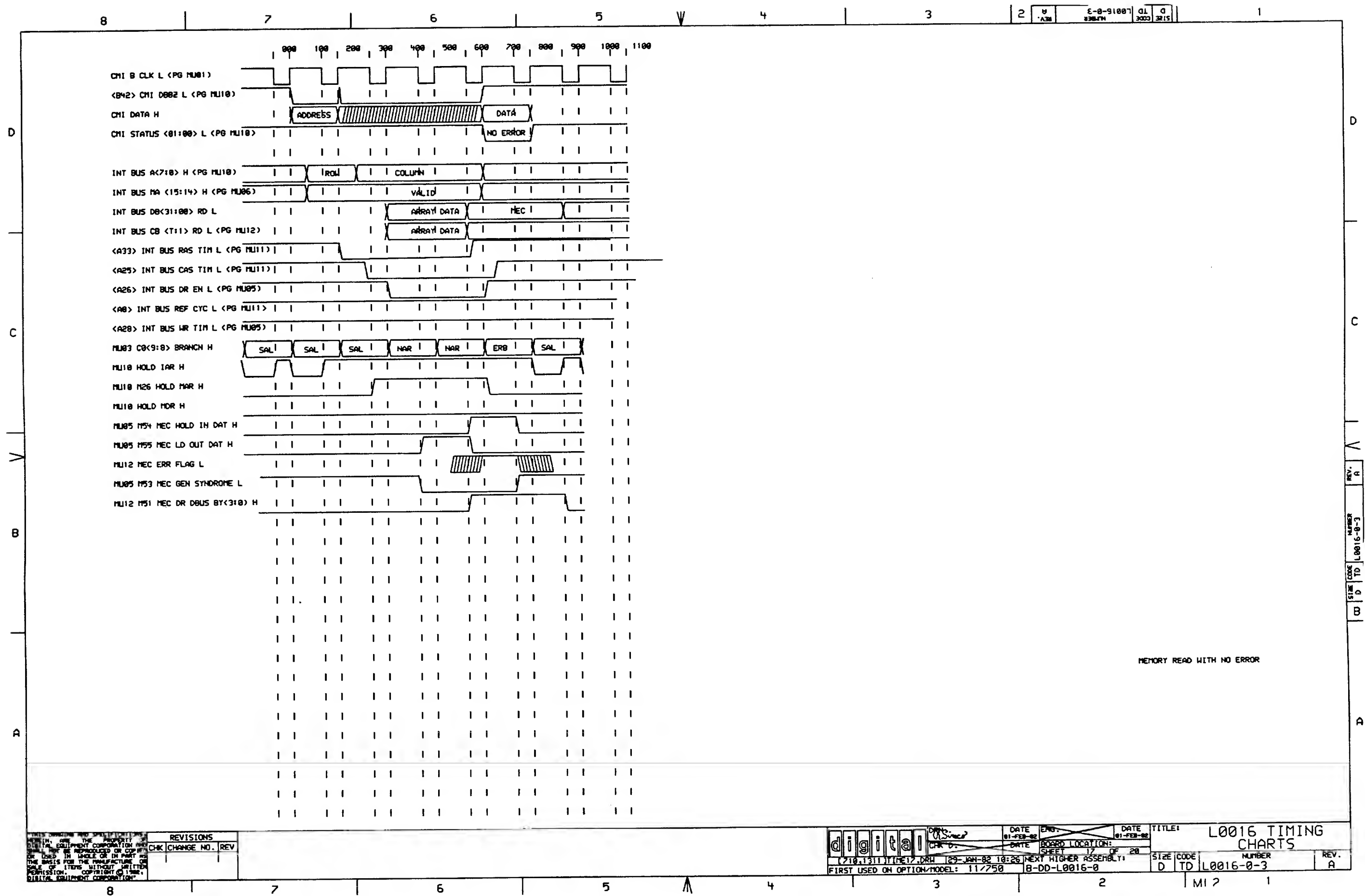
1



REVISIONS		
CHK	CHANGE NO.	REV

digital	DATE	ENG.	DATE	TITLE: L0016 TIMING CHARTS	
	01-FEB-82	01-FEB-82	01-FEB-82	SIZE	CODE
	DATE	BOARD LOCATION:	SHEET 19 OF 20	NUMBER	REV.
	129-JAN-82 10:20	NEXT HIGHER ASSEMBLY:	18-DD-L0016-0	D	A
	FIRST USED ON OPTION/MODEL: 11/750			ML2	1

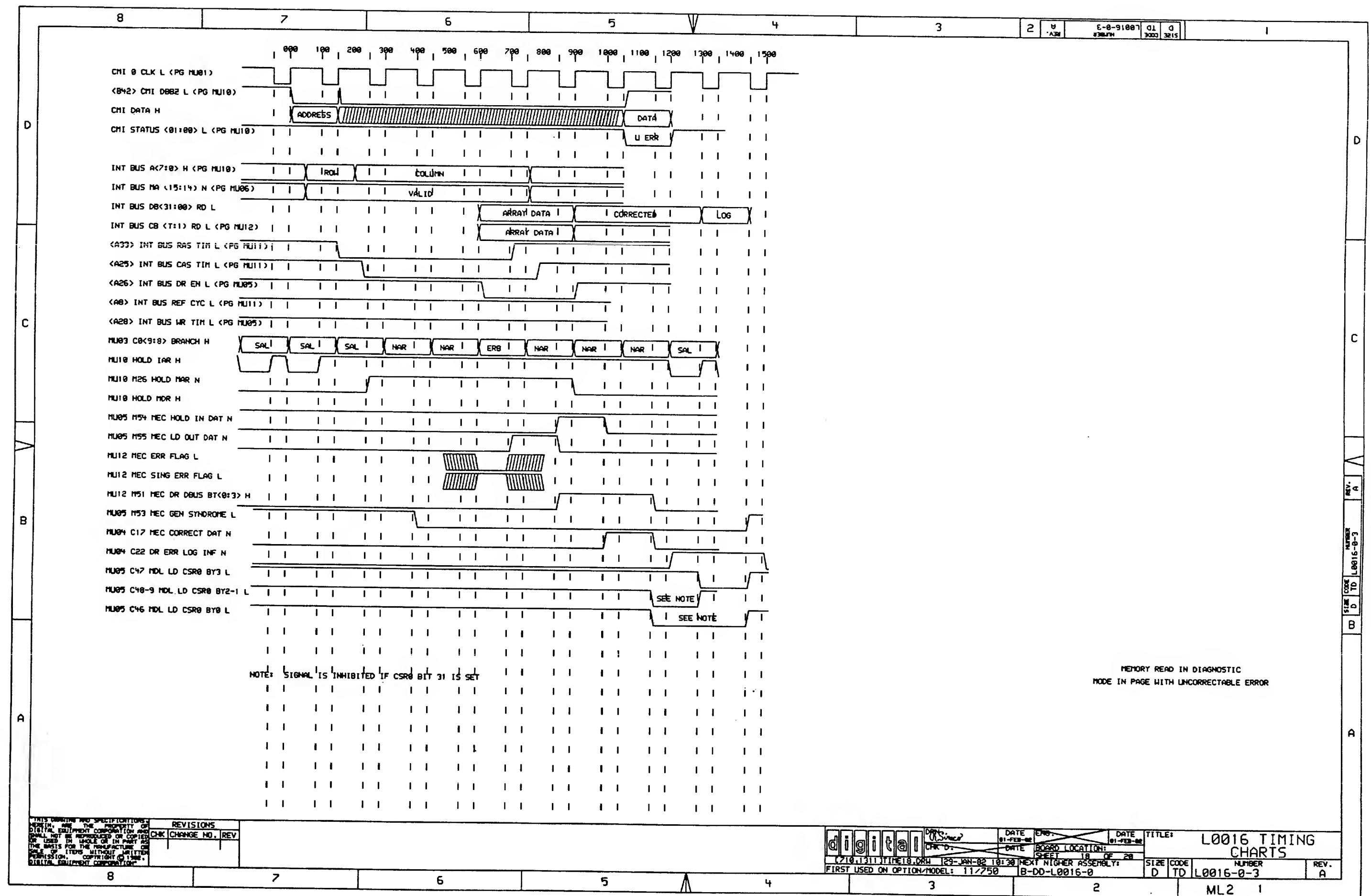


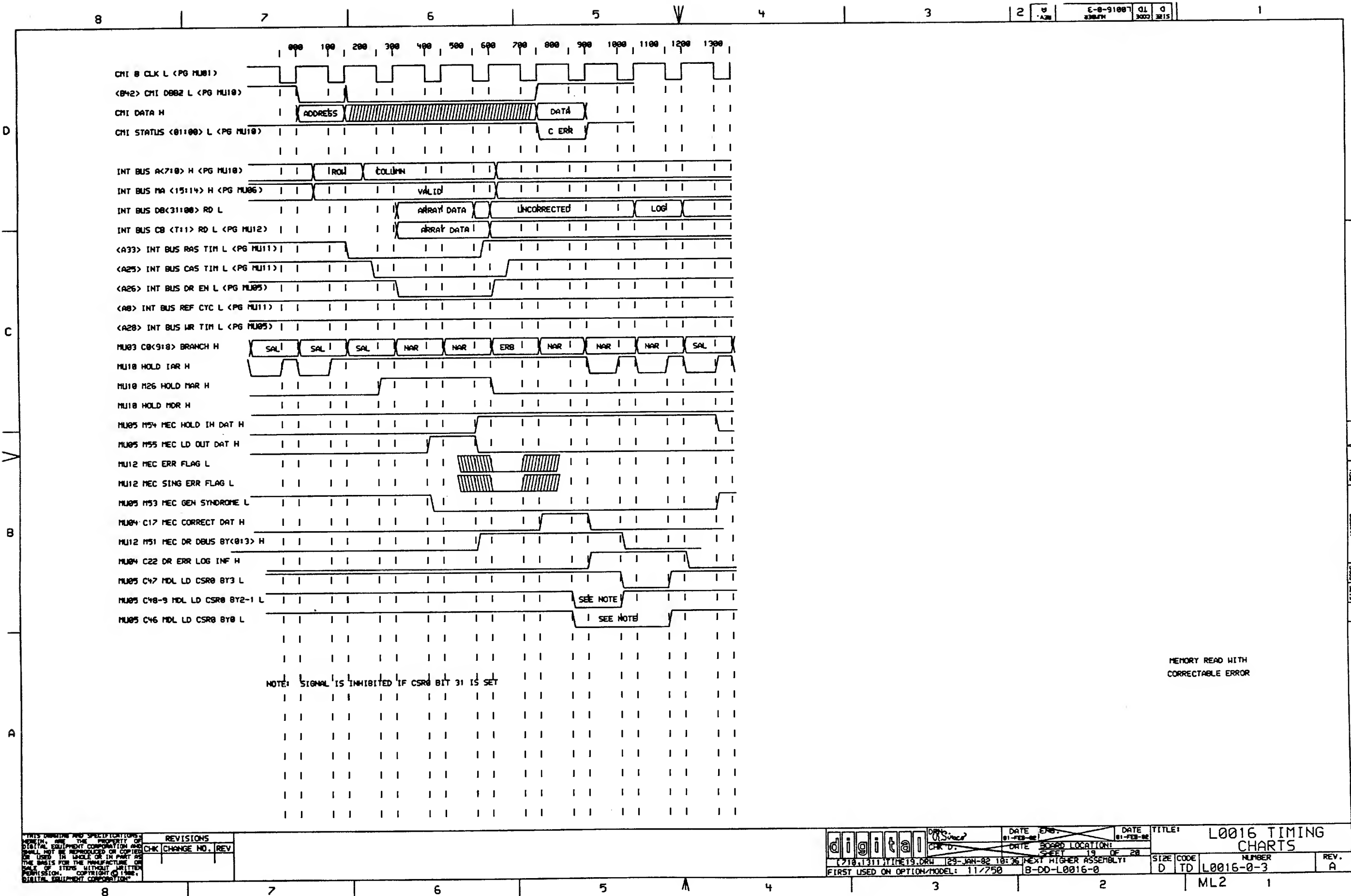


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REVISIONS		
CHK	CHANGE NO.	REV

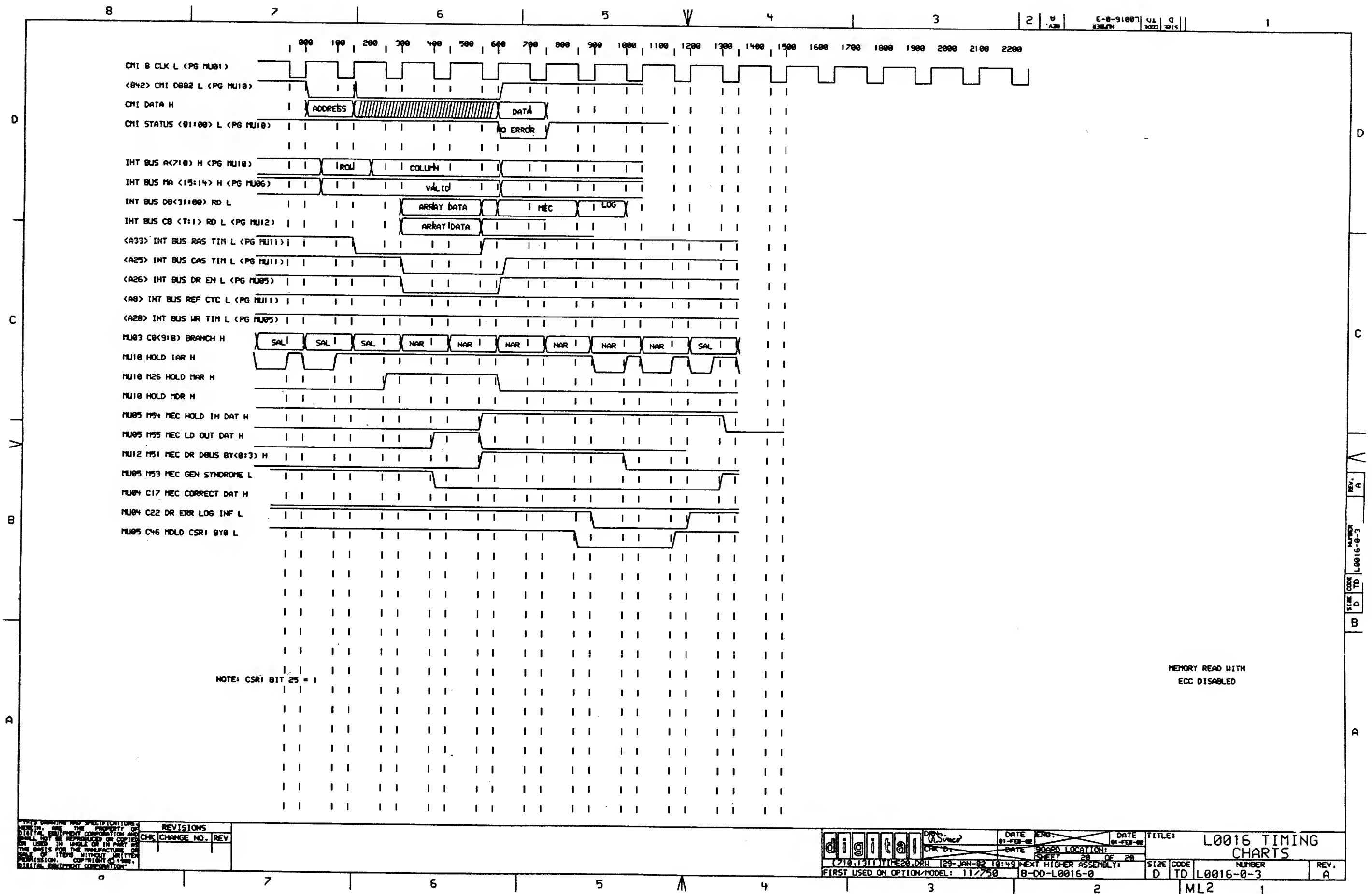
digital	DATE 01-FEB-82	ENG. CRK	DATE 01-FEB-82	TITLE: L0016 TIMING CHARTS	
	DATE 01-FEB-82	BOARD LOCATION: SHEET 17 OF 20	DATE 01-FEB-82	SIZE CODE D TD	NUMBER L0016-0-3
FIRST USED ON OPTION/MODEL: 11/750			NEXT HIGHER ASSEMBLY: B-DD-L0016-0		
REV. A					REV. A

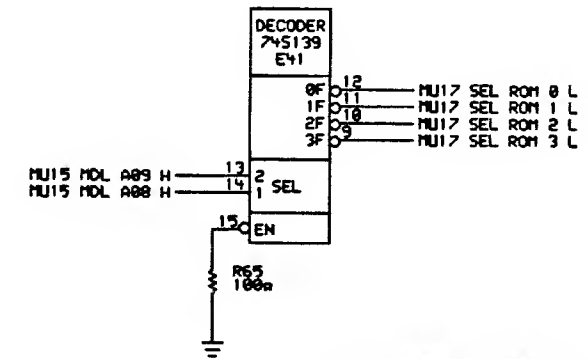
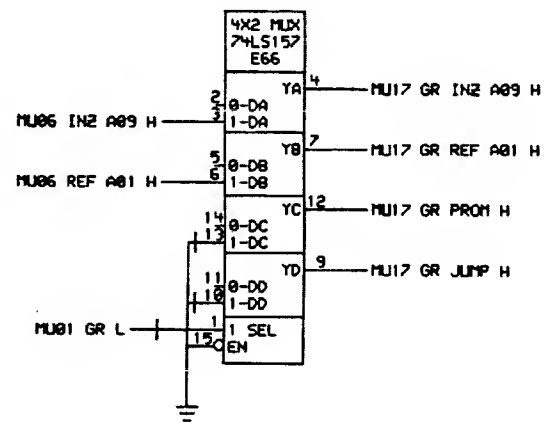




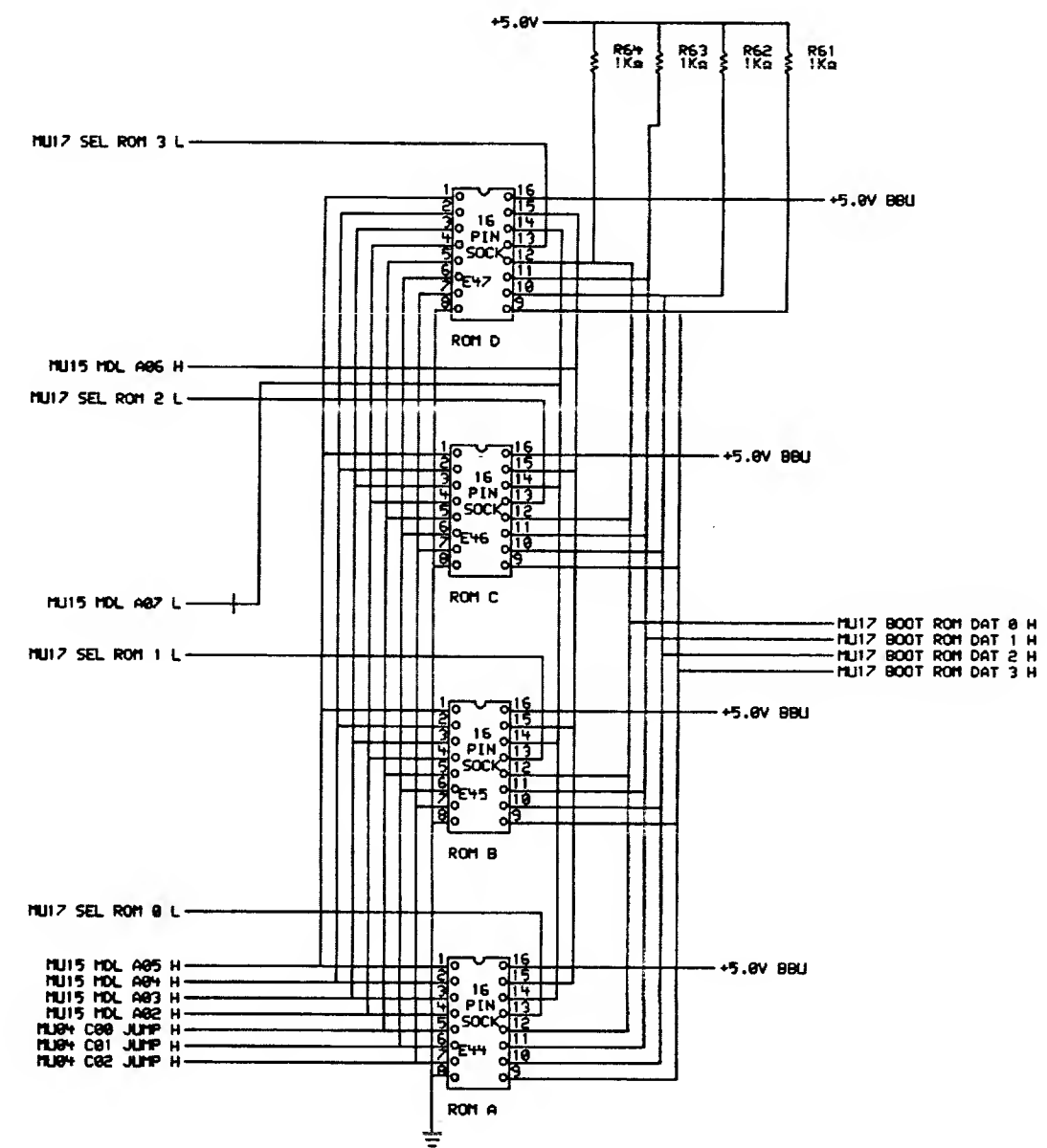
REVISIONS	
CHK	CHANGE NO. REV

digital	DATE: 01-FEB-82	DATE: 01-FEB-82	TITLE: L0016 TIMING CHARTS
	DATE: 01-FEB-82	DATE: 01-FEB-82	DATE: 01-FEB-82
	DATE: 01-FEB-82	DATE: 01-FEB-82	DATE: 01-FEB-82
FIRST USED ON OPTION/MODEL: 11/750		8-DO-L0016-0	SIZE CODE: D TD
			NUMBER: L0016-0-3
			REV: A





BOOTSTRAP ROM DECODER SELECT



BOOTSTRAP PROM SOCKETS
(512 X 4 BITS)

BOOT ROMS AND
GR TEST POINTS

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REVISIONS		
CHK	CHANGE NO.	REV

digital
710,1311 XHUF17.DRW
FIRST USED ON OPTION/MODEL: 11/250

DATE ENG. 02-FEB-82
DATE DESIGNED 02-FEB-82
DATE CHECKED 11-02-82
DATE ASSEMBLED 11-02-82
NEXT HIGHER ASSEMBLY: B-00-L0016-0

TITLE: COMET MEMORY UNIT
SIZE CODE D CS
NUMBER L0016-0-MU17
REV. A

8

7

6

5

4

3

2

A

8174-0-91007

CS

D

15

1

745374	E1	20	+5.0V	BBU
74564	E8	14	+5.0V	BBU
745112	E10	16	+5.0V	BBU
745153	E11	16	+5.0V	BBU
745153	E12	16	+5.0V	BBU
745153	E13	16	+5.0V	BBU
745393	E19	14	+5.0V	BBU
745153	E20	16	+5.0V	BBU
74504	E21	14	+5.0V	BBU
74574	E23	14	+5.0V	BBU
745393	E24	14	+5.0V	BBU
745393	E25	14	+5.0V	BBU
74574	E29	14	+5.0V	BBU
74574	E30	14	+5.0V	BBU
74504	E37	14	+5.0V	BBU
74564	E38	14	+5.0V	BBU
74508	E40	14	+5.0V	BBU
74520	E43	14	+5.0V	BBU
74574	E53	14	+5.0V	BBU
745112	E54	16	+5.0V	BBU
74502	E55	14	+5.0V	BBU
745157	E56	16	+5.0V	BBU
74551	E57	14	+5.0V	BBU
74574	E58	14	+5.0V	BBU
74500	E60	14	+5.0V	BBU
74574	E62	14	+5.0V	BBU
74574	E63	14	+5.0V	BBU
745157	E66	16	+5.0V	BBU
74510	E72	14	+5.0V	BBU
74574	E74	14	+5.0V	BBU
745140	E80	14	+5.0V	BBU
74510	E86	14	+5.0V	BBU
74510	E87	14	+5.0V	BBU
74500	E88	14	+5.0V	BBU
74504	E89	14	+5.0V	BBU
74508	E90	14	+5.0V	BBU
74508	E91	14	+5.0V	BBU
74504	E92	14	+5.0V	BBU
74502	E93	14	+5.0V	BBU
745374	E94	20	+5.0V	BBU
745374	E95	20	+5.0V	BBU
74520	E96	14	+5.0V	BBU
745374	E97	20	+5.0V	BBU
74500	E100	14	+5.0V	BBU
74502	E102	14	+5.0V	BBU
74520	E103	14	+5.0V	BBU

825129	E105	16	+5.0V	BBU
825129	E106	16	+5.0V	BBU
825129	E107	16	+5.0V	BBU
825129	E108	16	+5.0V	BBU
825129	E109	16	+5.0V	BBU
825129	E110	16	+5.0V	BBU
825129	E111	16	+5.0V	BBU
825129	E112	16	+5.0V	BBU
745174	E113	16	+5.0V	BBU
75452	E114	8	+5.0V	BBU
74520	E117	14	+5.0V	BBU
74520	E118	14	+5.0V	BBU
74510	E119	14	+5.0V	BBU
74532	E120	14	+5.0V	BBU
745374	E123	20	+5.0V	BBU
745153	E127	16	+5.0V	BBU
745153	E128	16	+5.0V	BBU
74500	E129	14	+5.0V	BBU
74530	E130	14	+5.0V	BBU
74530	E131	14	+5.0V	BBU
0640	E132	8	+5.0V	BBU
745374	E134	20	+5.0V	BBU
745374	E135	20	+5.0V	BBU
825129	E136	16	+5.0V	BBU
825129	E137	16	+5.0V	BBU
825129	E138	16	+5.0V	BBU
825129	E139	16	+5.0V	BBU
825129	E140	16	+5.0V	BBU
825129	E141	16	+5.0V	BBU
745374	E142	20	+5.0V	BBU

* NOTE: E44, E45, E46, E47,
ALL ON "BBU"--SEE PAGE 17 OF 19.

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REVISIONS

CHK CHANGE NO. REV

digital

DATE 02-FEB-82

DATE 02-FEB-82

DATE 02-FEB-82

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DATE 02-FEB-82

DATE 02-FEB-82

TITLE: COMET MEMORY UNIT

FIRST USED ON OPTION/MODEL: 11/750

NEXT HIGHER ASSEMBLY: 8-DD-L0016-0

SIZE CODE

D CS

NUMBER

L0016-0-MU18

REV.

A

ML2

1

